

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

NO. 27

THE MUNICIPALITY OF THE CENTRAL DISTRICT
THE REPUBLIC OF HONDURAS

社会開発調査部報告書

**THE STUDY
ON
SOLID WASTE MANAGEMENT
OF
THE URBAN AREA
OF
TEGUCIGALPA'S CENTRAL DISTRICT**

**FINAL REPORT
VOLUME V**

DATA BOOK

MARCH 1999

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List of Volumes

Volume I	Summary
Volume I(S)	Summary (Spanish Version)
Volume II	Main Report
Volume II(S)	Main Report (Spanish Version)
Volume III	Revised Main Report
Volume III(S)	Revised Main Report (Spanish Version)
Volume IV	Annex
Volume V	Data Book

Note:

The revised main reports (English and Spanish) are being made taking into account the effect of Hurricane Mitch on solid waste management works.

Since the other reports were made before Hurricane Mitch hit Honduras, its effect on solid waste management works was not taken into account.

Although the revised main reports (English and Spanish) best illustrate the current conditions, the other reports should also be referred to for detail.

This is the Data Book.

In this report, the project cost is estimated using the July 1998 prices and at an exchange rate of 1US\$ = 143.85 Japanese Yen = 13.4892 Lempiras.

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Data 1

Waste Generation Amount Survey



1 Waste Generation Amount Survey

Table 1 Waste Generation Amount Survey Data: High Income Area

HIGH INCOME AREA WASTE		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday		Monday		Weekly		
Address	No. of Residents	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total	Median Per Capita	Average
Calle Palmira, casa 2204, Ave. Rep. de Panama, calle retoma	6	3.90	0.65	2.20	0.37	3.00	0.50	3.30	0.55	3.00	0.50	5.00	0.83	1.80	0.30	1.70	0.28	20.00	0.500	0.48
Calle Palmira, Ave. Rep. de Venezuela, casa 2135	5	2.80	0.56	2.70	0.54	3.70	0.74	3.20	0.64	1.70	0.34	4.30	0.86	2.30	0.46	2.00	0.40	19.90	0.550	0.57
Calle Palmira, casa 2102, Ave. principal	4	5.90	1.48	2.40	0.60	0.90	0.23	3.00	0.75	2.20	0.55	1.40	0.35	1.00	0.25	0.70	0.18	11.60	0.450	0.41
Calle Palmira, Ave. Republica de Panama, casa 1945	5	0.80	0.16	0.50	0.10	0.80	0.16	0.40	0.08	1.50	0.30	0.20	0.04	0.60	0.12	0.40	0.08	4.40	0.110	0.13
Calle Palmira, Paseo Rep. de Panama, casa 2020	2	4.20	2.10	4.60	2.30	1.50	0.75	2.50	1.25	3.00	1.50	0.80	0.40	3.00	1.50	4.30	2.15	19.70	1.500	1.41
Calle Palmira, Paseo Rep. del Peru, casa 2130	7	12.40	1.77	3.80	0.54	6.30	0.90	2.80	0.40	4.00	0.57	2.60	0.37		0.00	3.40	0.49	22.90	0.514	0.47
Calle Palmira, Paseo Rep. del Peru, casa 2032	4	6.20	1.55	2.70	0.68	1.00	0.25	0.20	0.05	1.60	0.40	1.90	0.48	5.20	1.30		0.00	12.60	0.438	0.45
Calle Palmira, Ave. Republica del Peru, casa 1911	4	1.50	0.38	2.60	0.65	0.80	0.20	2.30	0.58	0.80	0.20	1.30	0.33	1.00	0.25	0.70	0.18	9.50	0.288	0.34
Calle Palmira, casa 345, Ave. Rep. de Argentina, casa 345	3	5.80	1.93	0.70	0.23	2.90	0.97	1.90	0.63	0.10	0.03	0.60	0.20		0.00	4.50	1.50	10.70	0.433	0.51
Calle Palmira, casa 2802, Ave. Rep. de Argentina	6	3.20	0.53	2.80	0.47	1.20	0.20	0.50	0.08	2.40	0.40	3.00	0.50	0.70	0.12	3.30	0.55	13.90	0.433	0.33
Calle Palmira, San Nicolas, casa 2016	4		0.00	0.10	0.03	0.30	0.08	2.00	0.50	0.30	0.08	0.70	0.18	0.30	0.08	0.30	0.08	4.00	0.075	0.14
Calle Palmira, casa 2115, Ave. Rep. de Colombia	3	1.90	0.63	0.80	0.27	1.30	0.43	1.80	0.60	1.30	0.43	0.90	0.30	1.50	0.50	0.90	0.30	8.50	0.433	0.40
Calle Palmira, calle principal, esquina opuesta al col. de enfermos	8	0.90	0.11	2.70	0.34	3.70	0.46	2.00	0.25	1.50	0.19	0.30	0.04	0.40	0.05	6.30	0.79	16.90	0.219	0.30
Calle Palmira, calle Rep. del Ecuador, casa 802	5	3.00	0.60	2.90	0.58	2.80	0.56	4.40	0.88	4.00	0.80	3.30	0.66	4.00	0.80	4.00	0.80	25.40	0.730	0.73
Calle Palmira, casa 2654, Ave. Rep. de Mexico	5		0.00	0.70	0.14	2.50	0.50		0.00	2.20	0.44	0.30	0.06		0.00	2.30	0.46	8.00	0.100	0.23
Ave. Jose Ma. Medina, casa 143 (Ruben Darro)	7	3.80	0.54	5.80	0.83	6.00	0.86	2.20	0.31	2.20	0.31	1.70	0.24	1.00	0.14	1.90	0.27	20.80	0.314	0.42
Calle Palmira, calle Betts, casa 2017	4	9.60	2.40	2.50	0.63	5.50	1.38		0.00	3.50	0.88	2.20	0.55		0.00	3.60	0.90	17.30	0.750	0.62
Calle Ruben Darro, calle Calzada Sta. Lucia, casa 214	2	1.50	0.75	1.00	0.50	0.60	0.30	0.90	0.45	0.60	0.30	0.60	0.30	0.50	0.25		0.00	4.20	0.500	0.30
Calle Betts, Calzada Sta. Lucia, NEXT TO, casa 201	2	1.20	0.60	1.50	0.75	0.70	0.35	1.60	0.80	0.70	0.35	0.50	0.25	0.70	0.35	1.30	0.65	7.00	0.475	0.50
Calle Palmira, calle Rep. de Ecuador, casa 2480	4			1.90	0.48	1.50	0.38	7.50	1.88	1.00	0.25		0.00	1.60	0.40	2.00	0.50	15.50	0.400	0.55
	90	68.60		44.90		47.00		42.50		37.60		31.60		25.60		43.60		272.80	0.40	0.43

Table 2 Waste Generation Amount Survey Data: Middle Income Area

MIDDLE INCOME AREA WASTE		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday		Monday		Weekly		
Address	No. of Residents	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total	Median Per Capita	Average
No. Lempira, entre decima y septima calle, casa 132a (1313)	4		0.00	2.00	0.50	2.50	0.63	2.10	0.53	3.00	0.75	2.60	0.65		0.00	2.30	0.58	14.50	0.575	0.52
No. Lempira, calle 14, Ave. Ave., casa 1401	10		0.00	3.50	0.35	3.40	0.34	3.60	0.36	1.10	0.11	0.10	0.01		0.00	3.90	0.39	21.60	0.360	0.31
No. Lempira, Rva. Ave., 14 calle, casa 808	2		0.00	0.50	0.25	0.60	0.30	0.60	0.30	0.60	0.30	1.10	0.55	0.40	0.20	1.50	0.75	5.30	0.300	0.38
No. Lempira, 13 y 14 calle, Rva. y 9na. Ave.	7		0.00	2.00	0.29	0.70	0.10	1.00	0.14	1.80	0.26	1.30	0.19	1.10	0.16	1.60	0.23	9.90	0.186	0.19
No. Lempira, 13 calle, 7 y 8 Ave.	4		0.00	1.00	0.25	2.00	0.50	3.00	0.75	1.20	0.30	2.40	0.60	1.70	0.43		0.00	11.30	0.425	0.40
No. Lempira, Obispo, casa 341	5		0.00	1.40	0.28	1.80	0.36	2.30	0.46	1.20	0.24	2.10	0.42	1.40	0.28	1.30	0.26	11.30	0.290	0.33
No. Lempira (calvario), calle 10, Ave. 5 y 7, casa 657	5		0.00	1.70	0.34	0.70	0.14	0.90	0.18	0.60	0.12	1.30	0.26		0.00	2.00	0.40	7.20	0.180	0.21
No. Lempira, casa 730, calle 10, Ave. 7 y 8	4		0.00	3.30	0.83	1.00	0.25	1.40	0.35	0.70	0.18	2.70	0.68	1.30	0.33		0.00	10.40	0.325	0.37
No. Lempira (Villadiego), Calle 17, Ave. 6 y 7, casa 644	8		0.00	0.80	0.10	0.80	0.10	0.40	0.05	0.90	0.11	1.00	0.13	1.90	0.24	1.30	0.19	7.30	0.113	0.13
No. Lempira (Villadiego), casa 744, Ave. 7 y 8, 17 calle	4		0.00	0.60	0.15	0.60	0.15		0.00	1.50	0.38	0.70	0.18	1.60	0.40		0.00	3.00	0.150	0.18
No. Lempira, 17 calle, entre 8 y 9 Ave., casa 864	5		0.00	2.20	0.44	2.40	0.48	1.50	0.30	2.20	0.44	0.90	0.18		0.00	5.00	1.00	14.20	0.440	0.41
No. Lempira, 10 calle, 8 y 9 Ave., casa 821	8		0.00	6.30	0.79	7.60	0.95	5.00	0.63	4.70	0.59	7.30	0.91	7.10	0.89	4.10	0.51	42.10	0.788	0.75
No. Lempira, casa 933, frente al taller banana	4		0.00	6.20	1.55		0.00		0.00	1.80	0.45	2.30	0.58		0.00	3.00	0.75	13.30	0.450	0.48
No. Lempira, 9 Ave., 15 y 16 calle	17		0.00	0.80	0.05	0.60	0.04	0.60	0.04	0.30	0.02	1.00	0.06	0.30	0.02	1.90	0.11	3.90	0.035	0.05
No. Lempira, 13 y 16 calle, 8 Ave., casa 1451	3		0.00	0.30	0.10	0.60	0.20		0.00	0.40	0.13		0.00		0.00	1.00	0.33	2.30	0.100	0.11
Sendero 14, 8 y 9 Ave., casa 825	5			1.00	0.20	0.80	0.16	1.40	0.28	2.50	0.50	1.10	0.22	1.30	0.26	6.00	1.20	14.10	0.260	0.40
No. Lempira, calle 13, 7 y 8 Ave., casa 744	10			0.40	0.04	0.40	0.04	1.80	0.18	0.70	0.07	0.50	0.05	1.10	0.11	0.90	0.09	5.80	0.070	0.08
No. Lempira, calle 13, 8 y 9 Ave., casa 810	5			1.50	0.30	1.40	0.28	2.20	0.44	0.50	0.06	3.10	0.62	0.80	0.16	1.30	0.26	10.60	0.280	0.30
No. Lempira, 8 Ave., calle 15 y 16	4			1.30	0.33	1.00	0.25	1.30	0.33	1.20	0.30	1.40	0.35	0.90	0.23	1.70	0.43	8.80	0.325	0.31
No. Lempira	5			1.20	0.24		0.00	0.90	0.16	1.00	0.20	1.20	0.24	1.50	0.30	2.60	0.52	8.30	0.280	0.24
	119	0.00		40.00		30.90		29.90		27.70		34.10		22.40		43.60		228.60	0.25	0.27

Table 3 Waste Generation Amount Survey Data: Low Income Area

LOW INCOME AREA WASTE		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday		Monday		Weekly		
Address	No. of Residents	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total kg	Kg Per Cap.	Total	Median Per Capita	Average
Col. Suarez Cordova, casa 1, bloque G, Sector 1	4	0.40	0.10	1.50	0.38	1.50	0.38	4.20	1.05	1.20	0.30	3.10	0.78		0.00	3.50	0.88	15.00	0.38	0.34
Col. Suarez Cordova, Sector 1, bloque 1	8		0.00	12.20	1.53	27.90	3.49		0.00		0.00	4.50	0.56		0.00	1.80	0.23	46.40	0.51	0.83
Col. Suarez Cordova (Nra. Rosa), casa 3129	9		0.00		0.00	4.00	0.44	3.50	0.39	4.40	0.49	4.70	0.52	1.80	0.20	2.60	0.29	21.00	0.34	0.33
Col. Suarez Cordova (Nra. Rosa), casa 3108	3	0.30	0.06	0.80	0.16	1.70	0.54	0.80	0.16	1.20	0.24	2.60	0.82	1.30	0.26	2.80	0.36	11.20	0.25	0.32
Col. Suarez Cordova, calle La Union, casa 3018 (Nra. Sta. Rosa)	8		0.00	2.50	0.31	2.20	0.28	4.80	0.60	3.60	0.45	2.30	0.29		0.00	2.10	0.26	17.50	0.28	0.31
Col. Suarez Cordova (Nra. Sta. Rosa), casa 3107	20	0.70	0.04	2.80	0.14	3.10	0.16	2.00	0.10	3.00	0.15	0.90	0.05	3.60	0.18	2.60	0.13	18.00	0.14	0.15
Col. Suarez Cordova, sector 3, casa 3309	6	3.00	0.50	1.00	0.17	1.30	0.22	1.60	0.27	1.20	0.20	0.80	0.13		0.00	0.60	0.10	6.80	0.18	0.15
Col. Suarez Cordova, sector 3B, casa 3470	3	2.60	0.87	0.30	0.10	2.10	0.70	0.30	0.17	2.30	0.77	0.90	0.30	3.90	1.30	3.00	1.00	13.00	0.73	0.62
Col. Suarez Cordova, 1a. calle, casa 2209	4	2.40	0.60	0.30	0.15	1.20	0.30	1.20	0.30	4.30	1.08	1.20	0.30	1.00	0.25	4.20	1.05	13.60	0.90	0.49
Col. Suarez Cordova, sector 3, casa 3406	8	5.00	0.63	3.70	0.46	2.70	0.34	1.20	0.15	0.20	0.03	2.00	0.25	1.50	0.19	1.60	0.13	12.30	0.22	0.22
Col. Suarez Cordova	8	3.00	0.38	1.00	0.20	0.80	0.10	1.20	0.15	0.80	0.10	0.40	0.05	1.80	0.19	1.40	0.18	7.70	0.16	0.14
Col. Suarez Cordova, calle principal	6	1.20	0.20	0.80	0.13	1.90	0.32	0.40	0.07	0.50	0.08	0.30	0.05	1.40	0.23	1.70	0.28	1.00	0.17	0.17
Col. Suarez Cordova, primera calle, casa 3	6	8.60	0.93	4.00	0.67	0.90	0.15	0.80	0.13	1.20	0.20	0.50	0.08	0.80	0.08	1.40	0.23	9.30	0.18	0.23
Col. Suarez Cordova, casa 3503, sector 2	8	1.40	0.18	2.40	0.30	3.40	0.68	1.80	0.23	2.00	0.25	2.40	0.30	3.60	0.45	0.40	0.05	18.00	0.28	0.32
Col. Suarez Cordova, calle principal, casa 3504	10	10.40	1.04	1.80	0.18	0.30	0.03	1.20	0.12	2.60	0.26	1.50	0.15	0.80	0.08	0.50	0.05	8.70	0.14	0.12
Col. Suarez Cordova, sector 2, casa 3501	4	1.00	0.25	1.30	0.33	0.50	0.13	1.50	0.38		0.00	1.00	0.25	1.30	0.33	1.80	0.45	7.80	0.29	0.26
Col. Suarez Cordova, sector 2, casa 3306	7	3.10	0.44	0.90	0.13	0.20	0.03	0.80	0.11	0.30	0.07	0.70	0.10	1.30	0.21	0.60	0.09	5.20	0.11	0.11
Col. Suarez Cordova, sector 3, casa 3409	7	1.00	0.14	1.10	0.16	1.50	0.21		0.00	1.90	0.27	0.30	0.04	1.10	0.16		0.00	3.90	0.15	0.12
Col. Suarez Cordova, casa 8, Hrc. pulperia 2 hermanos	5	0.40	0.08	1.40	0.28	0.80	0.16	0.40	0.08	0.30	0.10	1.80	0.36	0.70	0.14	1.20	0.24	6.80	0.15	0.19
Col. Suarez Cordova, casa 2106, sector 2	3		0.00	1.20	0.24	2.00	0.40	0.70	0.14	0.60	0.12	1.50	0.38	1.10	0.22	0.80	0.16	8.30	0.19	0.24
	141	41.50		41.80		62.00		28.60		32.00		33.80		26.00		34.00		258.80	0.20	0.26

Data 2

Waste Composition Survey

2 Waste Composition Survey

Annex to section 3.2

Table 4 Separation of Waste Into Ten Components: Market Waste

Market		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Total Weight grams	Average %
		10th	11th	12th	13th	14th	15th	16th		
Sample Total	Total Weight	3880	3709	6240	5874	3334		5444	20081	
	Bin's Weight	1400	1400	1400	1400	1400		1400		
Food Waste	Bin's Weight	327	327	327	327	327		327		
	Sample Weight	2200	2400	4200	4100	1989		3400	16627	
	%	75.5	89.8	80.0	91.0	85.9		76		82.80
Paper	Bin's Weight	327	327	327	327	327		327		
	Sample Weight	391	400	548	603	503		865	1348	
	%	2.6	3.2	4.6	6.2	9.1		13		6.71
Plastic	Bin's Weight	327	327	327	327	327		327		
	Sample Weight	354	390	452	409	381		522	546	
	%	1.1	2.7	2.6	1.8	2.8		5		2.72
Metal	Bin's Weight	327	327	327	327	327		327		
	Sample Weight	327	328	348	333	327		346	47	
	%	0.0	0.0	0.4	0.1	0.0		0		0.23
Grass, Wood	Bin's Weight	327	327	327	327	327		327		
	Sample Weight	678	419	419	335	369		331	589	
	%	14.2	4.0	1.9	0.2	2.2		0		2.93
Ceramic, Stone	Bin's Weight	327	327	327	327	327		327		
	Sample Weight	486	327	807	356	327		540	881	
	%	6.4	0.0	9.9	0.6	0.0		5		4.39
Textile	Bin's Weight	327	327	327	327	327		327		
	Sample Weight	327	327	327	327	327		329	2	
	%	0.0	0.0	0.0	0.0	0.0		0		0.01
Glass	Bin's Weight	327	327	327	327	327		327		
	Sample Weight	335	334	336	327	327		327	24	
	%	0.3	0.3	0.2	0.0	0.0		0		0.12
Rubber, Leather	Bin's Weight	327	327	327	327	327		327		
	Sample Weight	327	327	314	327	327		327	17	
	%	0.0	0.0	0.4	0.0	0.0		0		0.08
Others	Bin's Weight	327	327	327	327	327		327		
	Sample Weight	327	327	327	327	327		327	0	
	%	0.0	0.0	0.0	0.0	0.0		0		0.00
		100	100	100	100	100		100		100

Table 5 Separation of Waste into Ten Components: Low Income Area Waste

Low Income		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Total Weight grams	Average %
		10th	11th	12th	13th	14th	15th	16th		
Sample Total	Total Weight	4207	4388	3783	3864	3346	4862	4823	19473	
	Bin's Weight	1400	1400	1400	1400	1400	1400	1400		
Food Waste	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	940	1103	984	1600	988	2400	1652	7378	
	%	22	26	28	52	34	60	39		37.89
Paper	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	517	496	509	636	552	724	830	1975	
	%	7	6	8	13	12	11	15		10.14
Plastic	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	477	469	500	452	451	613	637	1310	
	%	5	5	7	5	6	8	9		6.73
Metal	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	507	377	335	346	332	392	378	378	
	%	6	2	0	1	0	2	1		1.94
Grass, Wood	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	900	550	733	455	528	399	785	2061	
	%	20	7	17	5	10	2	13		10.58
Ceramic, Stone	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	925	1394	808	724	665	816	1037	4080	
	%	21	36	20	16	17	14	21		20.95
Textile	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	406	400	409	515	500	403	391	735	
	%	3	2	3	8	9	2	2		3.77
Glass	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	327	488	721	349	476	331	327	730	
	%	0	5	17	1	8	0	0		3.75
Rubber, Leather	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	751	654	327	327	397	327	327	821	
	%	15	11	0	0	4	0	0		4.22
Others	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	327	327	327	330	327	327	329	5	
	%	0	0	0	0	0	0	0		0.03
		100	100	100	100	100	100	100		100

Table 6 Separation of Waste Into Ten Components: Middle Income Area Waste

Middle		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Total Weight grams	Average %
		10th	11th	12th	13th	14th	15th	16th		
Sample Total	Total Weight	3921	4268	5548	4882	4770	7160	4567	25316	
	Bin's Weight	1400	1400	1400	1400	1400	1400	1400		
Food Waste	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	1763	1670	3000	1419	2200	3800	2200	13763	
	%	57	47	64	31	56	60	59		54.36
Paper	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	585	748	881	928	622	691	1049	3215	
	%	10	15	13	17	9	6	23		12.70
Plastic	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	487	584	511	1179	520	662	450	2104	
	%	6	9	4	24	6	6	4		8.31
Metal	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	334	357	373	391	350	342	415	273	
	%	0	1	1	2	1	0	3		1.08
Grass, Wood	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	494	598	802	687	692	1025	512	2521	
	%	7	9	11	10	11	12	6		9.96
Ceramic, Stone	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	495	797	375	538	922	1029	474	2341	
	%	7	16	1	6	18	12	5		9.25
Textile	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	378	403	453	345	353	500	336	479	
	%	2	3	3	1	1	3	0		1.89
Glass	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	601	327	327	611	327	327	347	578	
	%	11	0	0	8	0	0	1		2.28
Rubber, Leather	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	327	327	327	327	327	327	327	0	
	%	0	0	0	0	0	0	0		0.00
Others	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	327	327	369	327	327	327	327	42	
	%	0	0	1	0	0	0	0		0.17
		100	100	100	100	100	100	100		100.00

Table 7 Separation of Waste into Ten Components: High Income Area Waste

High		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Total Weight grams	Average %
		10th	11th	12th	13th	14th	15th	16th		
Sample Total	Total Weight	5814	2650	3617	4630	3944	4583	4837	20275	
	Bin's Weight	1400	1400	1400	1400	1400	1400	1400		
Food Waste	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	1603	790	1607	2600	1677	2400	2000	10388	
	%	29	37	58	70	53	65	49		51.24
Paper	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	895	565	432	868	610	741	802	2624	
	%	13	19	5	17	11	13	14		12.94
Plastic	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	762	377	530	503	405	553	413	1254	
	%	10	4	9	5	3	7	3		6.18
Metal	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	695	363	335	376	364	355	362	561	
	%	8	3	0	2	1	1	1		2.77
Grass, Wood	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	1127	532	745	430	1095	544	1158	3342	
	%	18	16	19	3	30	7	24		16.48
Ceramic, Stone	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	327	585	397	337	338	352	662	709	
	%	0	21	3	0	0	1	10		3.50
Textile	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	663	327	374	327	340	327	329	398	
	%	8	0	2	0	1	0	0		1.96
Glass	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	958	327	340	403	328	519	327	913	
	%	14	0	1	2	0	6	0		4.50
Rubber, Leather	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	327	327	400	327	327	327	327	73	
	%	0	0	3	0	0	0	0		0.36
Others	Bin's Weight	327	327	327	327	327	327	327		
	Sample Weight	327	327	327	329	330	327	327	5	
	%	0	0	0	0	0	0	0		0.02
		100	100	100	100	100	100	100		100

Table 8 Ten Component Analysis: 10 Feb.

10 th Feb	Natural weight grams	Dried weight grams	Physical Composition		
			Weight of water	Weight of ash	Weight of combustible
Code	a	b	c	d	e
Equation			a-b		b-d
Kitchen waste	1,823.00	737.00	1,086.00	243.00	494.00
Papers	62.00	40.10	21.90	7.80	32.30
Textiles					
Grass, wood, bamboo	337.00	164.20	172.80	107.20	57.00
Plastics	25.00	19.30	5.70	9.30	10.00
Rubber, leather					
Metals					
Bottles, glasses	8.00	7.90	0.10	7.90	0.00
Ceramics and soil	154.00	125.60	28.40	112.60	13.00
Others					

Table 9 Ten Component Analysis: 11 Feb.

11 th Feb	Natural weight grams	Dried weight grams	Physical Composition		
			Weight of water	Weight of ash	Weight of combustible
Code	a	b	c	d	e
Equation			a-b		b-d
Kitchen waste	463.00	100.60	362.40	57.60	43.00
Papers	235.00	183.60	51.40	39.00	144.60
Textiles					
Grass, wood, bamboo	206.00	115.70	90.30	58.70	57.00
Plastics	53.00	49.80	3.20	29.00	20.80
Rubber, leather					
Metals	33.00	31.50	1.50	25.70	5.80
Bottles, glasses					
Ceramics and soil	255.00	193.40	61.60	184.00	9.40
Others					

Table 10 Ten Component Analysis: 12 Feb.

12 th Feb	Natural weight grams	Dried weight grams	Physical Composition		
			Weight of water	Weight of ash	Weight of combustible
Code	a	b	c	d	e
Equation			a-b		b-d
Kitchen waste	2,567.00	618.00	1,949.00	264.00	354.00
Papers	554.00	358.90	195.10	60.00	298.90
Textiles	126.00	97.70	28.30	24.70	73.00
Grass, wood, bamboo	471.00	218.00	253.00	76.00	142.00
Plastics					
Rubber, leather					
Metals	48.00	39.60	8.40	39.60	DNB ¹
Bottles, glasses					
Ceramics and soil	45.00	44.00	1.00	44.00	DNB
Others	39.00	38.50	0.50	38.50	DNB

Table 11 Ten Component Analysis: 13 Feb.

13 th Feb	Natural weight grams	Dried weight grams	Physical Composition		
			Weight of water	Weight of ash	Weight of combustible
Code	a	b	c	d	e
Equation			a-b		b-d
Kitchen waste	1,303.00	452.00	851.00	268.00	184.00
Papers	307.00	202.20	104.80	36.20	166.00
Textiles	187.00	176.20	10.80	34.20	142.00
Grass, wood, bamboo	130.00	101.30	28.70	36.30	65.00
Plastics	125.00	107.10	17.90	35.80	71.30
Rubber, leather					
Metals	19.00	18.50	0.50	18.50	DNB
Bottles, glasses	24.00	23.70	0.30	23.70	DNB
Ceramics and soil	395.00	377.60	17.40	377.60	DNB
Others	1.00	1.00	0.00	1.00	DNB

¹ Did Not Burn

Table 12 Whole Sample Analysis: 10 Feb.

10th Feb	Natural weight grams	Dried weight grams	Physical composition				
			Weight of water grams	Weight of ash grams	Weight of combustible grams	Moisture Content %	Residual Ash Content, %
Code	a	b	c	d	e	f	g
Equation			a-b		b-d	c/a	d/a
High Income, Col. Palmira	2,115.00	1,157.00	958.00	598.00	559.00	45.30	28.3
Middle Income, Bo. Lempira	2,510.00	1,310.90	1,199.10	679.00	631.90	47.77	27.1
Low Income, Col. Suazo Cordova	2,639.00	1,879.00	760.00	1,235.00	644.00	28.80	46.8
Market	2,409.00	1,094.10	1,314.90			54.58	

Table 13 Whole Sample Analysis: 11 Feb.

11th Feb	Natural weight grams	Dried weight grams	Physical composition				
			Weight of water grams	Weight of ash grams	Weight of combustible grams	Moisture Content %	Residual Ash Content, %
Code	a	b	c	d	e	f	g
Equation			a-b		b-d	c/a	d/a
High Income, Col. Palmira	1,245.00	674.60	570.40			45.82	
Middle Income, Bo. Lempira							
Low Income, Col. Suazo Cordova	2,370.00	1,684.00	686.00	1,136.00	548.00	28.95	47.9
Market	2,187.00	703.00	1,484.00	382.00	321.00	67.86	17.5

Table 14 Whole Sample Analysis: 12 Feb.

12th Feb	Natural weight grams	Dried weight grams	Physical composition				
			Weight of water grams	Weight of ash grams	Weight of combustible grams	Moisture Content %	Residual Ash Content, %
Code	a	b	c	d	e	f	g
Equation			a-b		b-d	c/a	d/a
High Income, Col. Palmira	2,220.00	836.00	1,384.00	268.00	568.00	62.34	12.1
Middle Income, Bo. Lempira	2,995.00	2,208.00	787.00	1,555.00	653.00	26.28	51.9
Low Income, Col. Suazo Cordova	2,867.00	1,427.00	1,440.00	669.00	758.00	50.23	23.3
Market	4,801.00	1,453.00	3,348.00	800.00	653.00	69.74	16.7

Table 15 Whole Sample Analysis: 13 Feb.

13th Feb	Natural weight grams	Dried weight grams	Physical composition				
			Weight of water grams	Weight of ash grams	Weight of combustible grams	Moisture Content %	Residual Ash Content, %
Code	a	b	c	d	e	f	g
Equation			a-b		b-d	c/a	d/a
High Income, Col. Palmira	3,221.00	1,039.00	2,182.00	419.00	620.00	67.74	13.0
Middle Income, Bo. Lempira	3,488.00	1,998.30	1,489.70	1,412.20	586.10	42.71	40.5
Low Income, Col. Suazo Cordova	2,491.00	1,459.60	1,031.40			41.41	
Market	4,381.00	1,302.00	3,079.00	631.70	670.30	70.28	14.4

Table 16 Whole Sample Analysis: 14 Feb.

14th Feb	Natural weight grams	Dried weight grams	Physical composition				
			Weight of water grams	Weight of ash grams	Weight of combustible grams	Moisture Content %	Residual Ash Content, %
Code	a	b	c	d	e	f	g
Equation			a-b		b-d	c/a	d/a
High Income, Col. Palmira	2,534.00	1,026.00	1,508.00			59.51	
Middle Income, Bo. Lempira	3,318.00	1,337.00	1,981.00			59.70	
Low Income, Col. Suazo Cordova	1,949.00	1,075.70	873.30			44.81	
Market	1,932.00	291.90	1,640.10			84.89	

Table 17 Whole Sample Analysis: 15 Feb.

15th Feb	Natural weight grams	Dried weight grams	Physical composition				
			Weight of water grams	Weight of ash grams	Weight of combustible grams	Moisture Content %	Residual Ash Content, %
Code	a	b	c	d	e	f	g
Equation			a-b		b-d	c/a	d/a
High Income, Col. Palmira	3,234.00	1,865.00	1,369.00			42.33	
Middle Income, Bo. Lempira	5,747.60	3,488.00	2,259.60			39.31	
Low Income, Col. Suazo Cordova	3,366.00	2,053.00	1,313.00			39.01	
Market							

Table 18 Whole Sample Analysis: 16 Feb.

16th Feb	Natural weight grams	Dried weight grams	Physical composition				
			Weight of water grams	Weight of ash grams	Weight of combustible grams	Moisture Content %	Residual Ash Content, %
Code	a	b	c	d	e	f	g
Equation			a-b		b-d	c/a	d/a
High Income, Col. Palmira	3,448.00	1,842.00	1,606.00			46.58	
Middle Income, Bo. Lempira	3,122.00	1,840.00	1,282.00			41.06	
Low Income, Col. Suazo Cordova	3,418.00	2,114.60	1,303.40			38.13	
Market	4,031.00	1,457.20	2,573.80			63.85	

Data 3

*Interview Survey with
Scavengers at the
Final Disposal Site*

3 Interview Survey with Scavengers at the Final Disposal Site

Annex to Section 3.10

Results of Interview Survey with Scavengers at Final Disposal Site

Q1 What is your name?

Q2 Male/Female		
Male		21
Female		17

Q3 How old are you? (see attendance survey result in main text)

Q4 Do you like your work?		
a	Yes, very much	30
b	Yes, a little	4
c	Sometimes	2
d	No, not much	2
e	No, I detest it	0

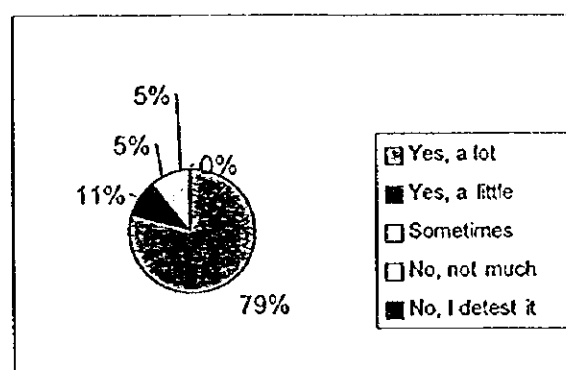


Figure 1: Do you like your work?

Q5 Do you have other work?		
No, only scavenging		23
Yes		12

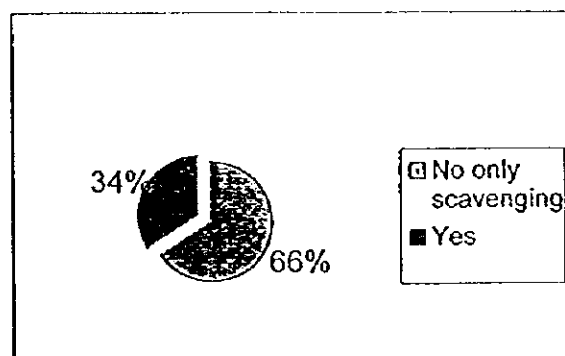


Figure 2: Do you have other work?

Q6 Are you married?	
yes	22
no	16

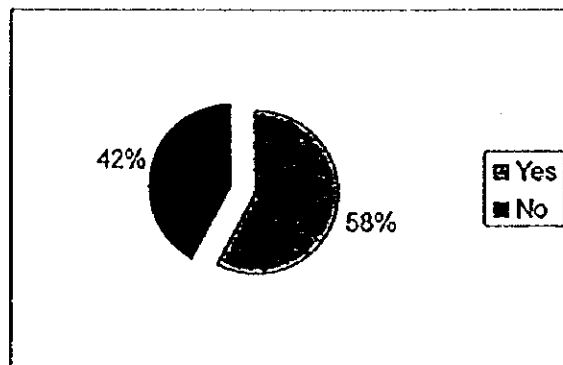


Figure 3: Are you married?

Q7 Do you support another person economically?	
yes	28
no	4

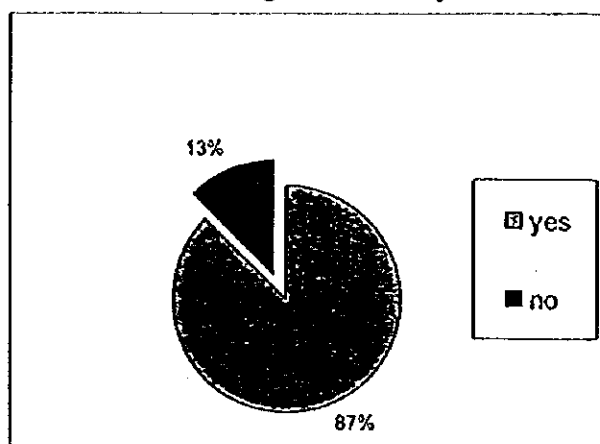


Figure 4: Do you support another person economically?

Q8 How many years have you been scavenging?	
0-1 years	3
1-3	8
3-6	9
6-9	6
9-12	4
12-15	3
15-18	2
18+	2

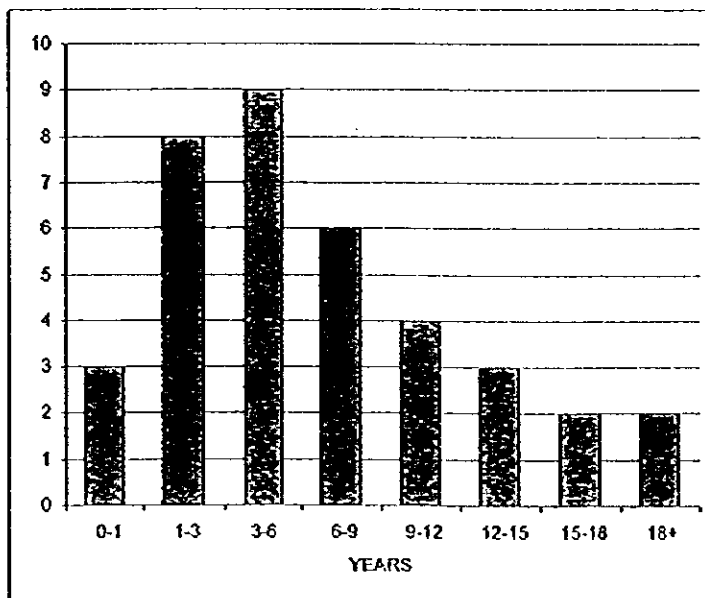


Figure 5: How many years have you been scavenging?

Q9 How many days per month do you scavenge?	
0-5	5
10-6	1
15-11	1
15-20	1
20-25	7
26-everyday	17

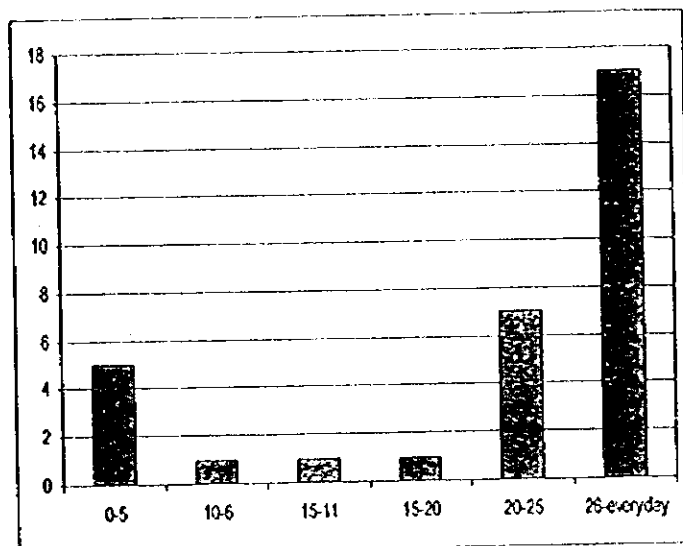


Figure 6: How many days per month do you scavenge²?

Q10 How long each day do you work as a scavenger (hours)?	
0-3	0
3-6	7
6-9	14
9-12	16

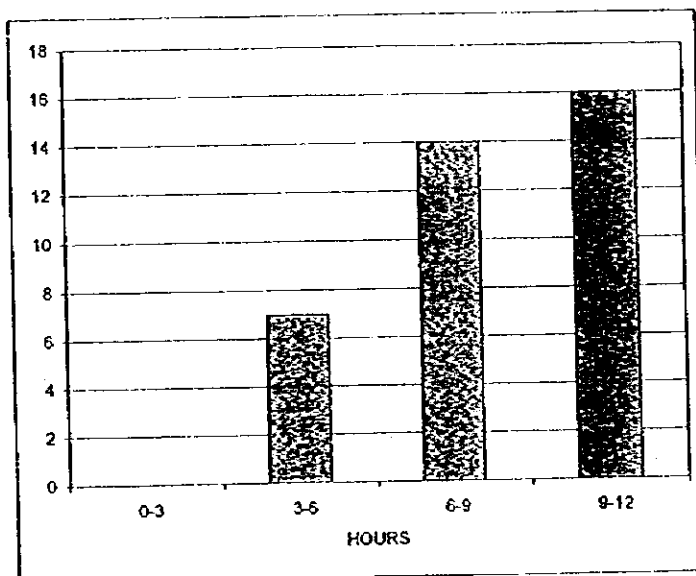


Figure 7: How long each day do you work as a scavenger?

² Vertical scale represents number of scavengers.

Q11 How far do you travel each day?	
0-2	5
2-4	5
4-6	10
6-8	11
8-10	3
10+	3

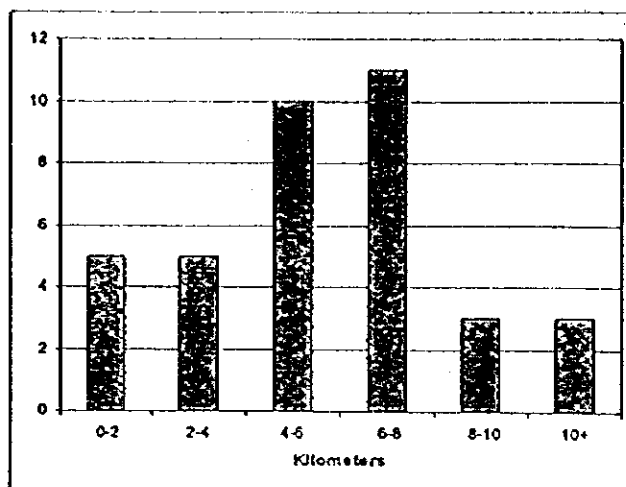


Figure 8: How far do you travel each day?

Q12 Would you scavenge if the site was moved 15 km further away?	
yes	34
no	3

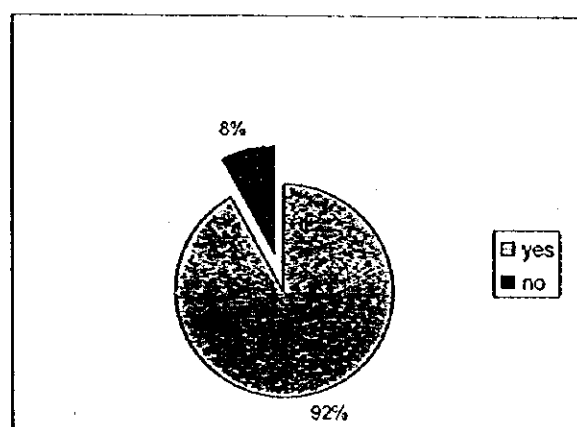


Figure 9: Would you scavenge if the site was moved 15 km further away?

Q13 Do you live at the site?	
yes	9
no	28

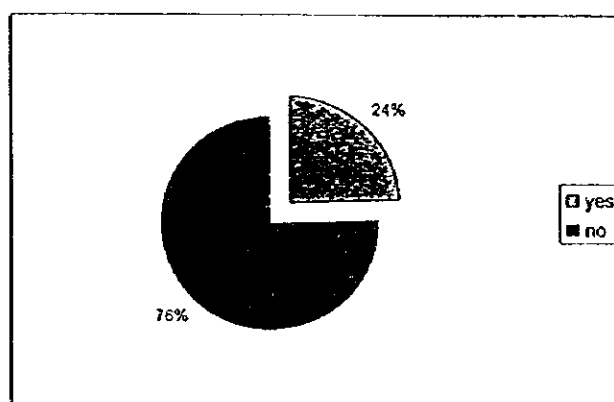


Figure 10: Do you live at the site?

Q14 Would you consider living at the site	
yes	23
no	14

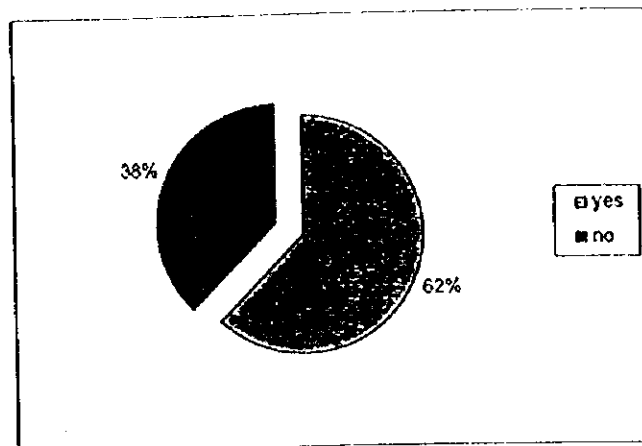


Figure 11: Would you consider living at the site?

Q15 Where do you get your food	
buy it	27
bring it with me	7
other	4

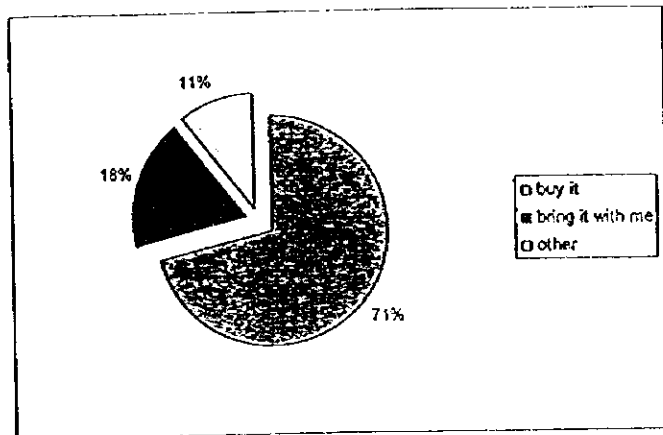


Figure 12: Where do you get your food?

Q16 How much do you earn per week? (Excluded due to inconsistent results)

Q17 How much money do you make each day?	
0-25	10
25-50	16
50-75	1
75-100	2
100 +	9

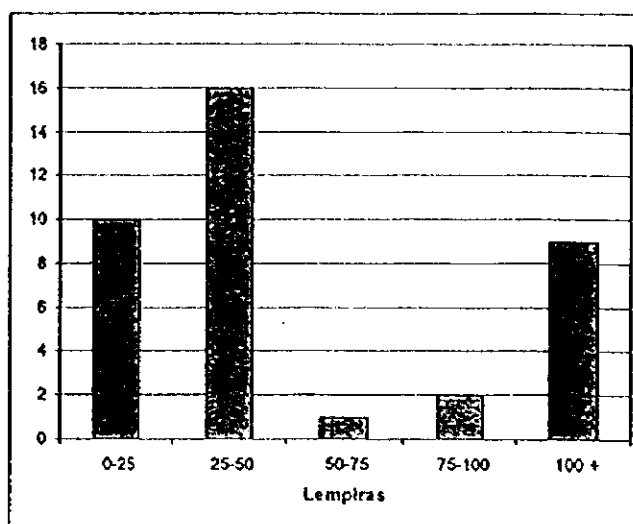


Figure 13: How much money do you make each day?

Q18 Who do you work for?	
myself	35
other person	2
a cooperative	0
a company	0

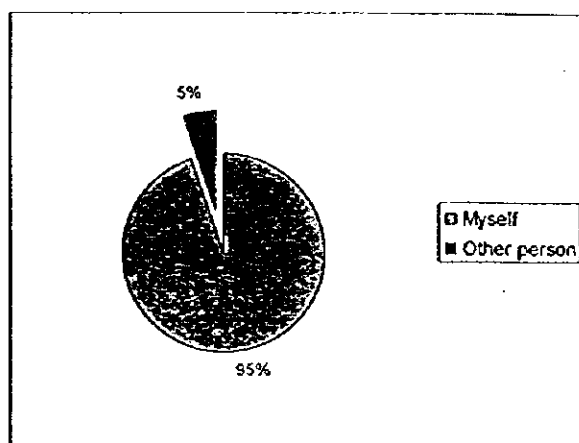


Figure 14: Who do you work for?

Q19 How much money do you receive per kilogram and how many kilograms do you sell?

Where and to whom do you sell materials?

(Price per kilogram was well-answered, otherwise poor results)

Prices received per kilogram for recovered materials:

	Paper cents/lb.	Bottles units	Cans cent/lb.	Textiles cents/lb.	Plastic cents/lb.	Copper cents/lb.
	10	5	200	35	20	150
	20	5	250	100	40	200
	20	5	250	200	40	250
	20	5	250	250	80	250
	20	7.5	250		80	250
	25	7.5	250		100	300
	25	7.5	280			300
	25	7.5	300			300
	25	7.5	300			350
	30	10	300			400
	30	10	300			400
	30	10	300			400
	30	10	300			400
	30	12.5	300			400
	30	15	300			400
	30	15	300			450
	30	15	300			450
	30	15	300			450
	30	15	300			500
	30	17.5	350			500
	30	17.5	350			600
	30	20	350			600
	35	20	350			600
	40	22.5	350			600
	40	22.5	350			625
	40	25	400			800
	40	25				850
	50					850
	60					
	80					
	150					
Average	32.1	13.0	301.1	146.3	60.0	449.1

Q20 Is the price of materials stable?

Does there exist demand for the materials scavenged? (unreliable results)

Q21 What would you do if someone else started to scavenge in your area?

100% of those who replied, answered "Let them scavenge"

Q22 Given the opportunity would you do another job?	
yes	20
it depends	6
no	4

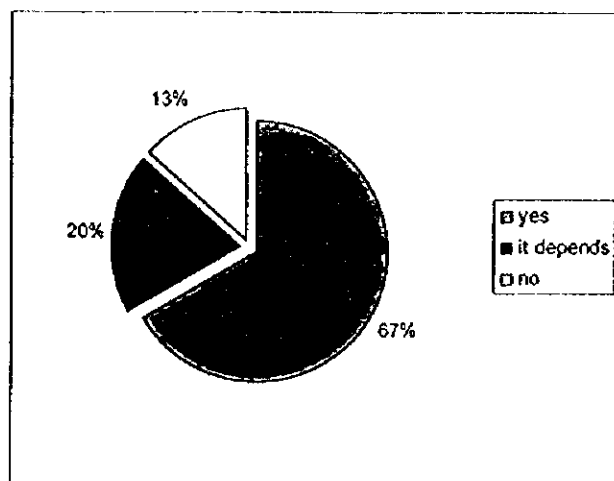


Figure 15: Given the opportunity, would you do another job?

Q23 What are the problems associated with scavenging

Many scavengers replied that they had no problems. However those who replied said that problems are³:

1. No water
2. Sickness
3. Environmental contamination
4. Other workers were rude and did not respect women.
5. There is discrimination. Dirty conditions.

Many more scavengers were, however, keen to offer suggestions on how to improve their work. The main ones are listed below:

1. Make the working area larger (8 scavengers suggested this).
2. Improve the organization of workers.
3. Improve work stability, pay and conditions.
4. Prevent landfill fires.

³ Problems and suggestions are listed in order, with the most frequent responses at the top.

Data 4

Time and Motion Survey

4 Time and Motion Survey

Data of Time and Motion Survey No.1

Date : February 17 1998, Tuesday
 Type of Vehicle : 13 m³ compactor truck
 Manufactures : Chassis: Hino, Body: ShinMaywa, 1993
 Identification Number : 34
 Collection Area : Cerro Grande, Zone 3 and 4
 Type of Collection Area : Middle Income Residential Area
 Collection Method : Curb collection and point collection with ringing a bell
 Collection Frequency : Twice a week
 Crew Formation : 1 driver and 4 collection workers
 Petrol fueled : no diesel refilled
 Number of Trips : 3 trips
 Material Recycled : 4 bags of paper, 3 bag of aluminum

Trip	Time		Duration (min)	Distance (km)	Activity	Number of Collection Points	
	from	to				Point	House
1st	6:24	6:48	24	7.2	Traveled from the depot to the collection area, picked up 4 collection workers on the way	-	-
	6:48	7:35	47	1.6	Collected waste in Cerro Grande Zone 3	10	85
	7:35	7:40	5	0.5	Traveled from Zone 3 to Zone 4	-	-
	7:40	8:40	60	1.4	Collected waste in Cerro Grande Zone 4	1	62
	8:40	8:50	10	4.3	Traveled to the landfill	-	-
	8:50	8:53	3	0	Discharged waste	-	-
2nd	8:53	9:03	10	4.3	Traveled to the collection area	-	-
	9:03	11:19	136	3.9	Collected waste in Cerro Grande Zone 4	2	190
	11:19	11:29	10	4.6	Travelling to the landfill	-	-
	11:29	11:31	2	0	Discharged waste	-	-
3rd	11:31	11:40	9	4.6	Traveled to the collection area	-	-
	11:40	12:40	60	1.5	Collected waste in Cerro Grande Zone 4	0	78
	12:40	12:50	10	4.7	Traveled to the landfill	-	-
	12:50	12:54	4	0	Discharged waste	-	-
Other	12:54	13:00	6	2.5	Traveled to a canteen	-	-
	13:00	13:38	38	0	Took lunch	-	-
	13:38	13:40	2	0.3	Traveled to a stream	-	-
	13:40	14:21	41	0	Washed the vehicle	-	-
	14:21	15:03	42	26.3	Traveled to the depot	-	-
Total	6:24	15:03	519	67.7		13	415

Data of Time and Motion Survey No.2

Date : February 18 1998, Wednesday
 Type of Vehicle : 13 m³ compactor truck
 Manufactures : Chassis: Hino, Body: ShinMaywa, 1993
 Identification Number : 32
 Collection Area : Comayaguela
 Type of Collection Area : Commercial and middle income residential combined area
 Collection Method : Curb collection and point collection
 Collection Frequency : Three times a week
 Crew Formation : 1 driver and 4 collection workers
 Petrol fueled : 22.493 gallons of diesel
 Number of Trips : 2 trips
 Material Recycled : 10 bags of paper, 1 bag of aluminum

Trip	Time		Duration (min)	Distance (km)	Activity	Number of Collection Points	
	from	to				Point	House
1st	5:49	5:56	7	1.8	Traveled from the garage to the gas station	-	-
	5:56	6:03	7	0	Refilled 22.493 gallons of diesel	-	-
	6:03	6:09	6	1.4	Traveled from the gas station to the collection area, Comayaguela	-	-
	6:09	6:21	12	0	Waited for collection workers	-	-
	6:21	9:14	173	3.3	Collected waste in Comayaguela	45	69
	9:14	9:36	22	7.0	Traveled to the landfill	-	-
	9:36	9:41	5	0	Discharged wastes	-	-
	9:41	9:46	5	1.5	Went to a canteen	-	-
2nd	9:46	10:12	26	0	Took breakfast there	-	-
	10:12	10:28	16	3.9	Traveled to the collection area	-	-
	10:28	12:26	118	1.5	Collected waste in Comayaguela	17	83
	12:26	12:56	30	5.3	Traveled to the landfill	-	-
	12:56	13:00	4	0	Discharged wastes	-	-
	13:00	13:30	30	7.7	Traveled to the Human Resource Office	-	-
	13:30	13:35	5	0	Stayed there	-	-
	13:35	13:53	18	3.2	Traveled to the depot	-	-
Total	5:49	13:53	484	36.6		62	152

Data of Time and Motion Survey No.3

Date : February 18, 1998, Wednesday
 Type of Vehicle : 13 m³ compactor truck
 Manufactures : Chassis: Hino, Body: ShinMaywa, 1993
 Identification Number : 34
 Collection Area : Guanacaste, El Arbolito, Ejecutivo, Calles 13 and 14, Barrio Abajo, Olos Dolores, Delicias, Concordia, Ministries, Plaza los Dolores, Supermarket la colonia #3
 Type of Collection Area : Middle income residential and commercial area
 Collection Method : Curb collection and point collection
 Collection Frequency : Three times a week
 Crew Formation : 1 driver and 4 collection workers
 Petrol fueled : 24 gallons of diesel
 Number of Trips : 2 trips
 Material Recycled : 240 lb of paper, 10 lb of aluminum tin

Trip	Time		Duration (min)	Distance (km)	Activity	Number of Collection Points	
	from	to				Point	House
1st	5:55	6:05	10	3.5	Traveled from the depot to the collection area	-	-
	6:05	6:19	14	0.4	Collected waste in Guanacaste	-	-
	6:19	8:26	127	0	The truck broke down and was repaired.	-	-
	8:26	8:28	2	1.0	Traveled to the gas station	-	-
	8:28	8:44	16	0	Collected tire waste at the gas station	-	-
	8:44	8:50	6	0	Filled up with 24 gallons of diesel	-	-
	8:50	10:12	82	4.6	Collected waste in Guanacaste	20	135
	10:12	10:33	21	7.0	Traveled to the landfill	-	-
	10:33	10:38	10	0	Discharged waste	-	-
2nd	10:38	11:03	25	8.5	Traveled from the landfill to the collection area	-	-
	11:03	13:46	163	5.7	Collected waste in City Center, Section Punta, IHSS, Ministries, Dolores, Funte, Dentrak Park, Av. Jerz, Barrio Abajo, Guanacaste, Las Delicias	15	160
	13:46	14:16	30	9.0	Transported waste to the landfill	-	-
	14:16	14:20	4	0	Discharged waste	-	-
	14:20	14:26	6	1.0	Traveled to a stream	-	-
	14:26	14:57	31	0	Washed the compactor	-	-
	14:57	15:00	3	0	Break	-	-
	15:00	15:47	47	28.1	Traveled to the depot	-	-
Total	5:55	15:47	592	68.8		35	295

Data of Time and Motion Survey No.4

Date : February 19 1998, Thursday
 Type of Vehicle : 13 m³ compactor truck
 Manufactures : Chassis: Hino, Body: ShinMaywa, 1993
 Identification Number : 30
 Collection Area : Castanos, Alameda
 Type of Collection Area : High Income Residential
 Collection Method : Curb collection and point collection
 Collection Frequency : Twice a week
 Crew Formation : 1 driver and 5 collection workers
 Petrol fueled : no filling diesel
 Number of Trips : 2 trips
 Material Recycled : 9 bags of paper, 10 pounds of aluminum and 1 bag of plastic

Trip	Time		Duration	Distance	Activity	Number of Collection Points	
	from	to	(min)	(km)		Point	House
1st	5:36	5:45	9	2.8	Traveled from the depot to the collection area, Castanos	-	-
	5:45	8:38	172	7.4	Collected waste in Castanos	13	174
	8:38	9:04	26	19.7	Traveled to the landfill	-	-
	9:04	9:08	4	0	Discharged waste	-	-
2nd	9:08	9:35	27	20.6	Traveled to the next collection point	-	-
	9:35	12:01	146	8.8	Collected waste in Alameda	5	257
	12:01	12:30	29	18.6	Traveled to the landfill	-	-
	12:30	12:33	3	0	Discharged waste	-	-
	12:33	12:38	5	1.5	Traveled to the landfill	-	-
	12:38	13:25	47	0	Took lunch	-	-
	13:25	13:49	24	9.4	Traveled to the depot	-	-
Total	5:36	13:49	493	88.8		18	431

Note:

- It was very hard to collect waste from Hotel San Martin. It took 20 minutes.

Data of Time and Motion Survey No.5

Date : February 19 1998, Thursday
 Type of Vehicle : 12 m³ dump truck
 Manufactures : Chassis: Nissan Diesel, Body: ShinMaywa, 1993
 Identification Number : 47
 Collection Area : San Francisco, Altos de San Francisco, Buena Aventura
 Type of Collection Area : Low income residential area
 Collection Method : Point collection and curb collection
 Collection Frequency : Once a week
 Crew Formation : 1 driver and 5 collection workers
 Petrol fueled : No filling
 Number of Trips : 2 trips
 Material Recycled : 80 lb of paper, 6 lb of aluminum and 50 bottles

Trip	Time		Duration	Distance	Activity	Number of Collection Points	
	from	to	(min)	(km)		Point	House
1st	6:33	6:57	24	8.4	Traveled to the collection area	-	-
	6:57	9:58	181	2.8	Collected waste in San Francisco, Altos de San Francisco, Buena Aventura	22	199
	9:58	10:28	30	7.5	Traveled to the landfill site	-	-
	10:28	10:34	6	0	Discharged wastes	-	-
2nd	10:34	11:01	27	7.5	Traveled to the collection area		
	11:01	12:49	108	1.3	Collected wastes in San Francisco	11	10
	12:49	13:40	51	8.0	Traveled to the landfill site	-	-
	13:40	13:45	5	0	Discharged wastes	-	-
	13:45	14:21	36	7.4	Traveled to the depot	-	-
Total	6:33	14:21	7h 48m	42.9		33	209

Data of Time and Motion Survey No.6

Date : February 20 1998, Friday
 Type of Vehicle : 12 m³ dump truck
 Manufactures : Chassis: Nissan Diesel, Body: ShinMaywa, 1993
 Identification Number : 49
 Collection Area : La Pagoda, Boulevard Suyapa, Colonia las Mercedes
 Type of Collection Area : Middle Income Residential Area
 Collection Method : Curb collection and point collection
 Collection Frequency : Twice a week
 Crew Formation : 1 driver and 4 collection workers
 Petrol fueled : 14 gallons
 Number of Trips : 2 trips
 Material Recycled : 3 bags of paper, 2 bags of aluminum, 2 bag of plastic

Trip	Time		Duration (min)	Distance (km)	Activity	Number of Collection Points	
	from	to				Point	House
1st	6:39	6:51	12	3.0	Traveled to the collection area, La Pagoda	-	-
	6:51	9:29	158	2.9	Collected wastes in Boulevard Suyapa	14	67
	9:29	10:11	42	7.8	Traveled to the landfill site	-	-
	10:11	10:15	4	0	Discharged wastes	-	-
2nd	10:15	10:38	23	6.0	Traveled to the collection area, Colonia Las Mercedes	-	-
	10:38	12:45	127	0.8	Collected wastes in Colonia Las Mercedes, Los Profesores	10	128
	12:45	13:07	22	5.9	Traveled to the landfill site	-	-
	13:07	13:11	4	0	Discharged wastes	-	-
	13:11	13:34	23	5.7	Traveled to the gas station	-	-
	13:34	13:40	6	0	Refilled 14 gallons of diesel	-	-
	13:40	13:47	7	1.8	Traveled to the depot	-	-
Total	6:39	13:47	428	33.9		24	195

Note:

- Much waste was scattered from the truck while being transported.

Data of Time and Motion Survey No.7

Date : February 20 1998, Friday
 Type of Vehicle : 12 m³ dump truck
 Manufactures : Chassis: Nissan Diesel, Body: ShinMaywa, 1993
 Identification Number : 48
 Collection Area : Torocagua
 Type of Collection Area : Low income residential area, unpaved area
 Collection Method : Curb collection and point collection
 Collection Frequency : Twice a week
 Crew Formation : 1 driver and 6 collection workers
 Petrol fueled : no filling
 Number of Trips : 2 trips
 Material Recycled : 4 bags of paper, 3 bag of aluminum tin

Trip	Time		Duration (min)	Distance (km)	Activity	Number of Collection Points	
	from	to				Point	House
1st	6:29	6:35	6	2.8	Traveled to the gas station	-	-
	6:35	6:41	6	0	Refilled with 14 gallons of diesel	-	-
	6:41	6:59	18	5.3	Traveled to the collection area	-	-
	6:59	10:14	195	3.7	Collected waste in Torocagua, Granada	-	274
	10:14	10:35	21	9.2	Transported waste to the landfill	-	-
	10:35	10:40	5	0	Discharged waste	-	-
2nd	10:40	10:59	19	8.4	Traveled to the second collection area	-	-
	10:59	11:15	16	0	Break	-	-
	11:15	13:48	153	3.2	Collected waste in Granada, Haya	-	205
	13:48	14:09	21	8.5	Transported waste to the landfill	-	-
	14:09	14:17	8	0	Discharged waste	-	-
	14:17	15:19	62	16.6	Traveled to the depot	-	-
Total	6:29	15:19	530	57.7		-	479

Data of Time and Motion Survey No.8

Date : February 23 1998, Monday
 Type of Vehicle : 12 m³ dump truck
 Manufactures : Chassis: Nissan Diesel, Body: Shinmaywa, 1993
 Identification Number : 45
 Collection Area : Flor de Campo 1, Rodas, Delicias, Olmos, Merrian
 Type of Collection Area : Low Income Residential Area
 Collection Method : Curb collection and point collection
 Collection Frequency : Once a week
 Crew Formation : 1 driver and 4 collection workers
 Petrol fueled : 14.0 gallons
 Number of Trips : 2 trips
 Material Recycled : 1 bag of aluminum and 3 bags of plastic

Trip	Time		Duration	Distance	Activity	Number of Collection Points	
	from	to	(min)	(km)		Point	House
1st	6:50	6:59	9	1.0	Traveled from the depot to the Refilled station	-	-
	6:59	7:02	3	0	Refilled 14 gallons of diesel	-	-
	7:02	7:20	18	5.9	Traveled from the Refilled station to the collection area	-	-
	7:20	9:28	128	0.7	Collected waste in Flor del Campo	27	23
	9:28	9:59	31	8.4	Traveled to the landfill	-	-
	9:59	10:04	4	0	Discharged waste	-	-
2nd	10:04	10:22	18	8.3	Traveled to the collection area	-	-
	10:22	11:54	92	1.0	Collected waste in Rodas, Delicias, Olmos, Merrian	11	50
	11:54	12:20	26	8.2	Traveled to the landfill	-	-
	12:20	12:23	3	0	Discharged waste	-	-
	12:23	13:07	44	10.4	Traveled to the depot	-	-
Total	6:50	13:07	376	43.9		38	73

Data of Time and Motion Survey No.9

Date : February 23 1998, Monday
Type of Vehicle : Armroll truck for 12 m³ containers
Manufactures : Chassis: Hino, Body: ShinMaywa, 1993
Identification Number : DL06
Collection Area : Suyapa, El Obelisco, San Felipe, Gimnacio, Hato de Enmedio
Collection Method : Communal container collection
Crew Formation : 1 driver and 1 collection workers
Petrol fueled : 14 gallons
Number of Trips : 5 trips
Material Recycled : none

Trip	Time		Duration	Distance	Activity	Number of Collection Points	
	from	to	(min)	(km)		Point	House
1st	6:39	6:51	12	3.5	Traveled from the depot to the gas station	-	-
	6:51	7:14	23	13.5	Traveled from the gas station to Suyapa	-	-
	7:14	7:21	7	0	Picked up a container with waste in Suyapa	1	-
	7:21	8:10	49	20.0	Transported waste to the landfill	-	-
	8:10	8:15	5	0	Discharged waste	-	-
2nd	8:15	8:40	25	11.7	Transported an empty container to El Obelisco	-	-
	8:40	8:48	8	0	Placed an empty container and picked up a container with waste	1	-
	8:48	9:04	16	11.5	Transported waste from to the landfill	-	-
	9:04	9:10	6	0	Discharged waste	-	-
3rd	9:10	9:36	26	10.9	Transported an empty container to San Felipe	-	-
	9:36	9:45	9	0	Placed an empty container and picked up a container with waste in San Felipe	1	-
	9:45	10:25	40	11.9	Transported waste to the landfill	-	-
	10:25	10:30	5	0	Discharged waste	-	-
4th	10:30	10:48	18	7.8	Transported an empty container to Gimnacio	-	-
	10:48	10:55	7	0	Placed an empty container and picked up a container with waste	1	-
	10:55	11:20	25	8.1	Transported waste to the landfill	-	-
	11:20	11:23	3	0	Discharged waste	-	-
5th	11:23	11:42	19	21.0	Transported an empty container to Hato de Enmedio	-	-
	11:42	11:47	5	0	Unloaded a container and loading a container with waste	1	-
	11:47	12:18	31	20.6	Transported waste to the landfill	-	-
	12:18	12:20	2	0	Discharged waste	-	-
6th	12:20	12:59	39	12.1	Traveled to the depot	-	-
Total	6:39	12:59	6h20m	152.6		5	0

Data of Time and Motion Survey No.10

Date : February 24 1998, Wednesday
Type of Vehicle : Armroll truck for 12 m³ containers
Manufactures : Chassis: Hino, Body: ShinMaywa, 1993
Identification Number : DL06
Collection Area : Reparto Abaj, San Felipe, Zonal Belen, Prison, Isla, Gimnacio,
Collection Method : Communal container collection
Crew Formation : 1 driver and 1 collection workers
Petrol fueled : 10 gallons
Number of Trips : 6 trips
Material Recycled : no materials recycled

Trip	Time		Duration (min)	Distance (km)	Activity	Number of Collection Points	
	from	to				Point	House
1st	6:12	6:21	9	2.6	Transported an empty container from the depot to Reparto Abaj	-	-
	6:21	6:26	5	0	Replaced a container with it	1	-
	6:26	6:31	5	1.6	Traveled to the gas station	-	-
	6:31	6:36	5	0	Refilled with 10 gallons of diesel	-	-
	6:36	6:57	21	9.4	Transported waste to the landfill	-	-
	6:57	7:00	3	0	Discharged waste	-	-
2nd	7:00	7:20	20	8.5	Transported an empty container	-	-
	7:20	7:23	3	0	Unloaded an empty container in San Felipe	-	-
	7:23	7:28	5	1.8	Traveled from Santa Fe to Zonal Belen	-	-
	7:28	7:32	4	0	Picked up a container with waste in Zonal Belen	1	-
	7:32	7:48	16	10.5	Transported waste to the landfill	-	-
	7:48	7:52	4	0	Discharged waste	-	-
3rd	7:52	8:16	24	9.0	Transported an empty container	-	-
	8:16	8:21	5	0	Replaced a container with it at the prison	1	-
	8:21	8:59	38	13.1	Transported a container with waste to the landfill	-	-
	8:59	9:03	4	0	Discharging waste	-	-
4th	9:03	9:19	16	9.1	Transported an empty containers to Isla	-	-
	9:19	9:29	10	0	Replaced a container with it at Isla	1	-
	9:29	10:00	31	12.6	Transported a container with waste to the landfill	-	-
	10:00	10:05	5	0	Discharging waste	-	-
5th	10:05	10:17	12	7.8	Transported an empty containers to Gimnacio	-	-
	10:17	10:22	5	0	Replaced a container with it at Gimnacio	1	-
	10:22	10:46	24	8.1	Transported a container with waste to the landfill	-	-
	10:46	10:53	7	0	Discharging waste	-	-
6th	10:53	11:08	15	10.6	Transported an empty container to Zonal Belen	-	-
	11:08	11:11	3	0	Placed an empty container at Zonal Belen	-	-
	11:11	11:18	7	1.6	Traveled to San Felipe	-	-
	11:18	11:21	3	0	Picked up a container at Santa Fe	1	-
	11:21	11:32	11	2.3	Traveled with a container	-	-
	11:32	11:45	13	0	Break	-	-
	11:45	12:07	22	7.4	Traveled to the depot	-	-
Total	6:12	12:07	5h55m	116.0		6	

Data of Time and Motion Survey No.11

Date : February 24 1998, Tuesday
Type of Vehicle : Hoist truck for 5 m³ skip containers
Manufactures : Chassis: Hino, Body: ShinMaywa, 1993
Identification Number : DL07
Collection Area : San Pablo Market, Plaza San Pedro, Colonia las Brisas, Colonia Kennedy, Market Jacaleapa, Villa la Union
Collection Method : Container collection
Crew Formation : 1 driver and 1 collection workers
Petrol fueled : 10 gallons of diesel
Number of Trips : 4 trips
Material Recycled : 2 bag of aluminum tin

Trip	Time		Duration	Distance	Activity	Number of Collection Points	
	from	to				Point	House
Other	6:30	6:44	14	3.5	Picked up 9 street sweeping workers on an empty container at Parque El Soldado	-	-
	6:44	7:00	16	2.6	Left 9 workers at Boulevard CEE in front of the airport	-	-
1st	7:00	7:31	31	5.5	Traveled to San Pablo Market	-	-
	7:31	7:45	14	0	Replaced a container with an empty one at San Pablo Market	1	-
	7:45	7:48	3	0.6	Traveled to the gas station	-	-
	7:48	7:55	7	0	Refilled with 10 gallons of diesel	-	-
	7:55	8:37	42	8.6	Traveled to the landfill	-	-
	8:37	8:40	3	0	Discharged waste	-	-
2nd	8:40	9:05	25	6.5	Transported an empty skip to Plaza San Pedro	-	-
	9:05	9:10	5	0	Replaced a container with an empty one at San Pablo Market	1	-
	9:10	10:15	65	8.3	Transported waste to the landfill	-	-
	10:15	10:17	2	0	Discharged waste	-	-
3rd	10:17	10:36	19	9.5	Transported an empty container to Colonia las Brisas (middle income residential area)	-	-
	10:36	10:42	6	0	Replaced a container with an empty one at Colonia las Brisas	1	-
	10:42	11:19	37	10.3	Transported waste to the landfill	-	-
	11:19	11:21	2	0	Discharged waste	-	-
4th	11:21	11:48	27	12.4	Transported an empty container to Colonia Kennedy (middle income residential area)	-	-
	11:48	11:53	5	0	Replaced a container with an empty one	1	-
	11:53	12:06	13	0.9	Traveled to Market Jacaleapa	-	-
	12:06	12:25	19	0	Collected waste there	-	-
	12:25	13:12	47	11.3	Transported waste to the landfill	-	-
	13:12	13:14	2	0	Discharged waste	-	-
5th	13:14	13:26	12	4.1	Transported an empty container to Villa la Union	-	-
	13:26	13:28	2	0	Placed an empty container there	-	-
	13:28	14:01	33	7.0	Traveled to the depot	-	-
Total	6:30	14:01	7h31m	91.1		4	0

Note: The hoist truck carried street sweeper on a skip container.

Data of Time and Motion Survey No.12

Date : February 25 1998, Tuesday
 Type of Vehicle : Hoist truck for 5 m³ skip containers
 Manufactures : Chassis: Hino, Body: ShinMaywa, 1993
 Identification Number : DL07
 Collection Area : Colonia Country Club, Brisas del Corfijo, Hato de Enmedio,
 Villa Union
 Collection Method : Container collection and bell collection
 Crew Formation : 1 driver and 1 collection workers
 Petrol fueled : 12 gallons of diesel
 Number of Trips : 4 trips
 Material Recycled : 2 bags of aluminum

Trip	Time		Duration (min)	Distance (km)	Activity	Number of Collection Points	
	from	to				Point	House
1st	6:36	7:00	24	4.5	Traveled to Colonia Country Club without a container	-	-
	7:00	7:05	5	0	Picked up a container	1	-
	7:05	7:32	27	6.4	Transported waste to the landfill	-	-
	7:32	7:35	3	0	Discharged waste	-	-
2nd	7:35	8:07	32	10.1	Traveled to Brisas del Cortijo	-	-
	8:07	8:46	39	0	Loading waste in the container in the area having no container	3	-
	8:46	9:20	34	10.2	Transported waste to landfill	-	-
	9:20	9:23	3	0	Discharged waste	-	-
3rd	9:23	9:56	33	10.3	Transported an empty container	-	-
	9:56	10:00	4	0	Replaced a container with it at Hato de Enmedio (middle income residential area)	1	-
	10:00	10:28	28	9.0	Traveled to the gas station	-	-
	10:28	10:32	4	0	Refilled with 10 gallons of diesel	-	-
	10:32	11:12	40	5.7	Transported waste to the landfill	-	-
	11:12	11:15	3	0	Discharged waste	-	-
4th	11:15	11:40	25	6.3	Transported an empty container to Colonia Country Club	-	-
	11:40	11:55	15	2.7	Traveled to Villa Union (low income residential area)	-	-
	11:55	11:58	3	0	Picked up a container with waste	1	-
	11:58	12:21	23	4.1	Transported waste to the landfill	-	-
	12:21	12:25	4	0	Discharged waste	-	-
	12:25	13:02	37	7.4	Traveled to the depot with an empty container	-	-
Total	6:36	13:02	391	76.7			

Note:

The hoist truck truck collected waste like a dump truck by using curb collection and bell collection method where there was no placed skip container.

Data 5

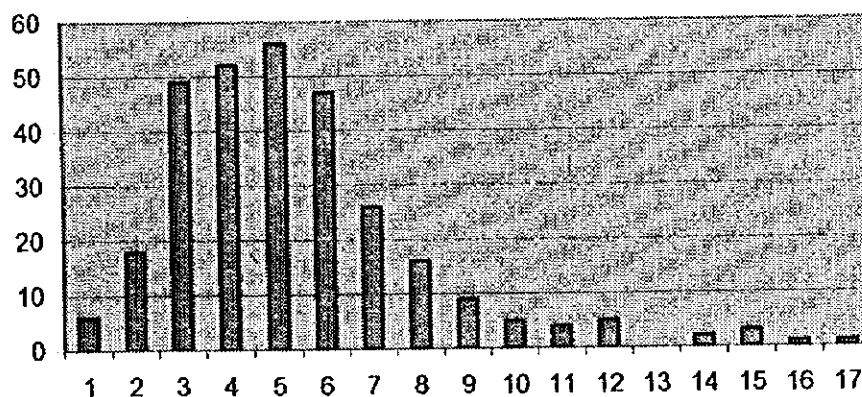
Public Opinion Survey

1. Preguntas Generales

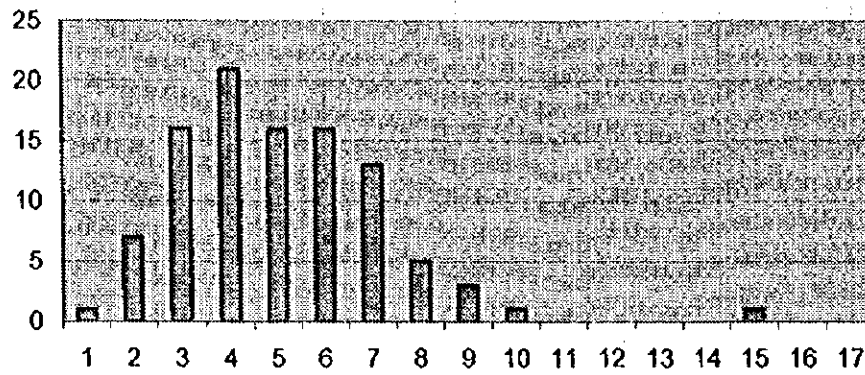
P1-1 Cuántas personas viven en su vivienda, incluyendo trabajadora(s)?

Nº	Clase Alta	Clase Media	Clase Baja	Total
1	1	4	1	6
2	7	9	2	18
3	16	21	12	49
4	21	15	16	52
5	16	19	21	56
6	16	15	16	47
7	13	7	6	26
8	5	2	9	16
9	3	3	3	9
10	1	1	3	5
11	0	2	2	4
12	0	2	3	5
13	0	0	0	0
14	0	0	2	2
15	1	0	2	3
16	0	0	1	1
20	0	0	1	1

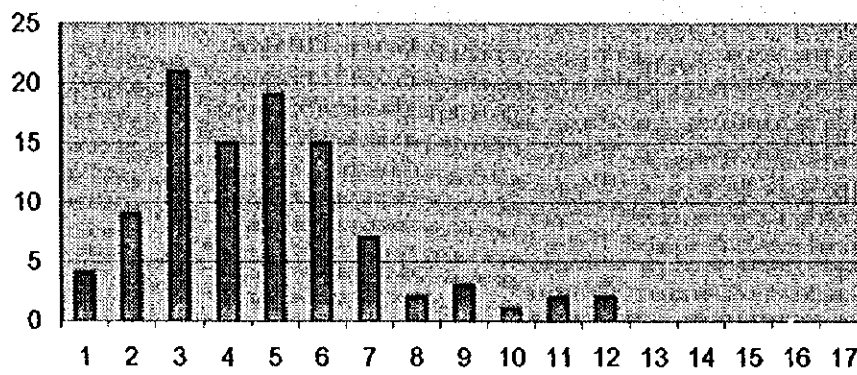
P1-1 Total



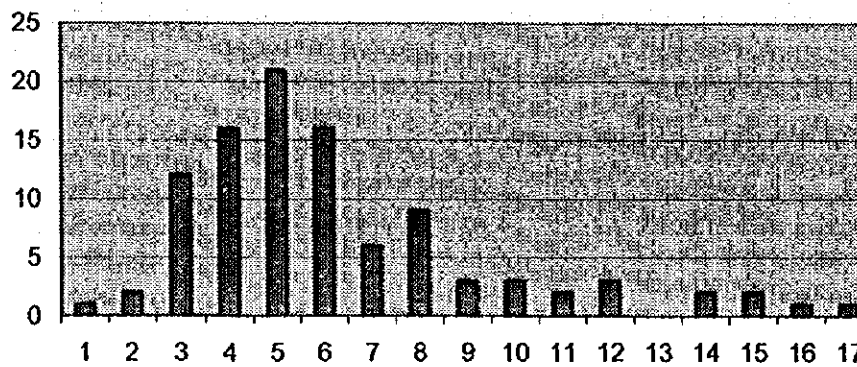
P1-1 Clase Alta



P1-1 Clase Media



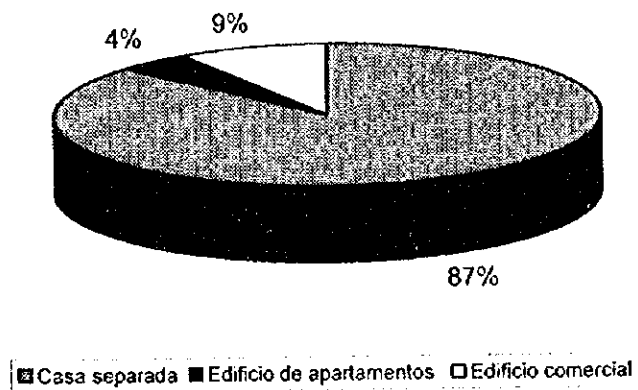
P1-1 Clase Baja



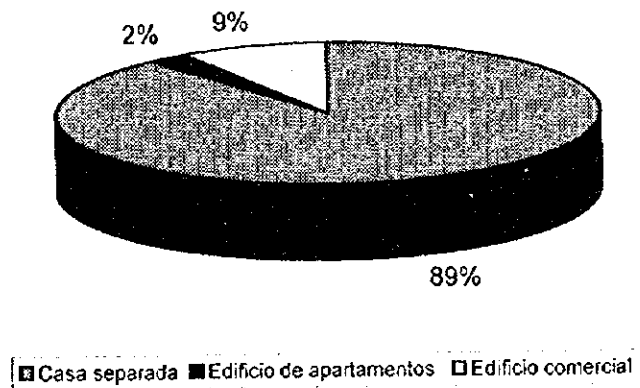
P1-2 De Qué categoría es su vivienda ?

Category	Clase Alta	Clase Media	Clase Baja	Total
Casa separada	89	75	97	261
Edificio de apartamentos	2	10	0	12
Edificio comercial	9	15	3	27

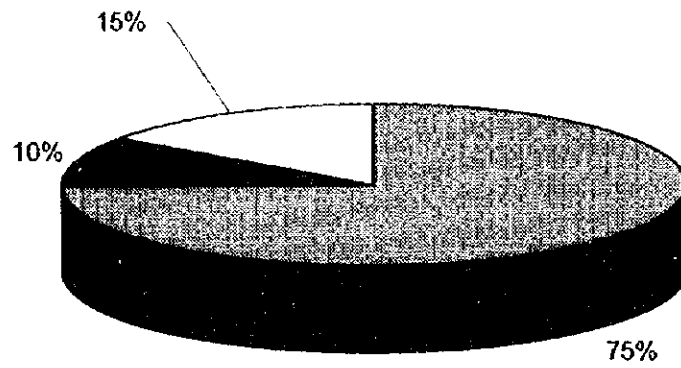
P1-2 Total



P1-2 Clase Alta

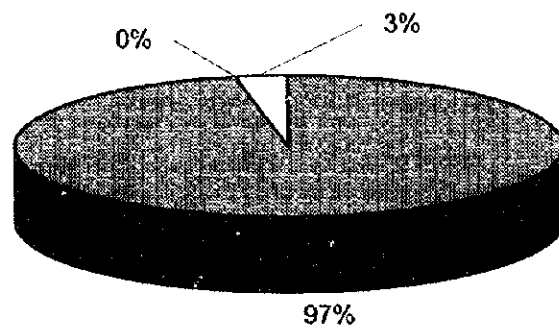


P1-2 Clase Media



■ Casa separada ■ Edificio de apartamentos □ Edificio comercial

P1-2 Clase Baja

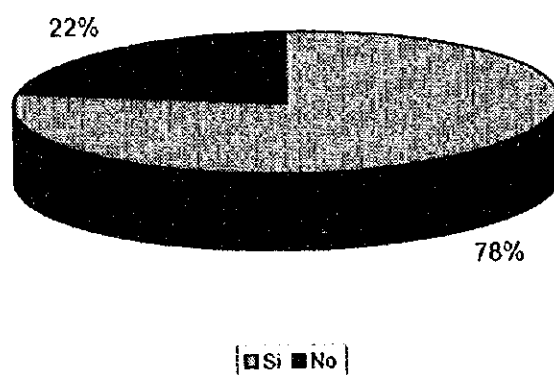


■ Casa separada ■ Edificio de apartamentos □ Edificio comercial

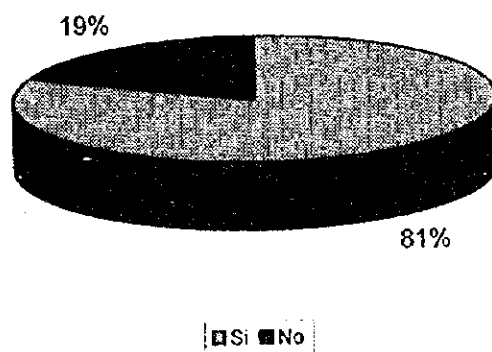
P1-3 Es Ud. el propietario de la vivienda ?

	Clase Alta	Clase Media	Clase Baja	Total
Si	81	63	90	234
No	19	37	10	66

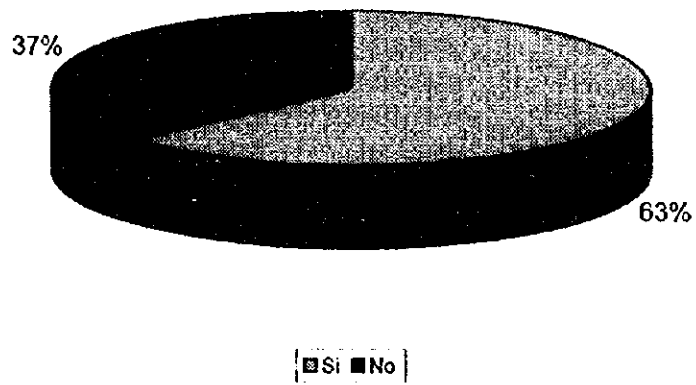
P1-3 Total



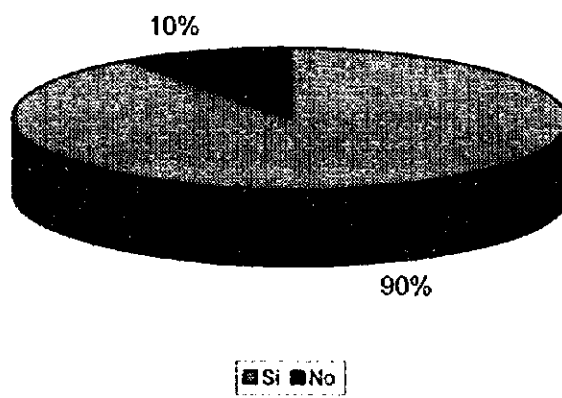
P1-3 Clase Alta



P1-3 Clase Media



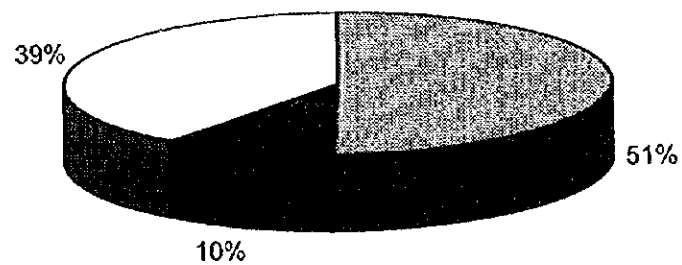
P1-3 Clase Baja



P1-4 Cuantos metros cuadrados de jardín tiene su vivienda?

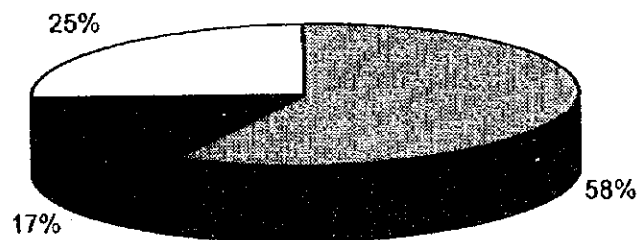
	Clase Alta	Clase Media	Clase Baja	Total
<100m ²	58	44	49	151
>100m ²	17	4	10	31
Nada	25	52	41	118

P1-4 Total



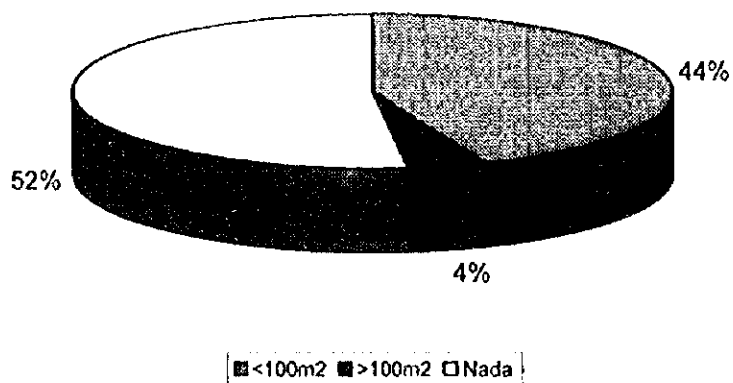
■ <100m² ■ >100m² □ Nada

P1-4 Clase Alta

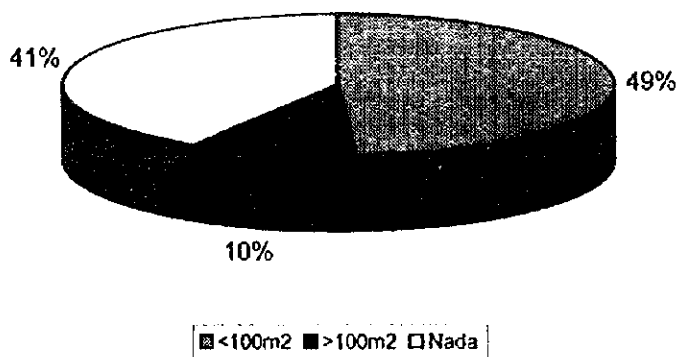


■ <100m² ■ >100m² □ Nada

P1-4 Clase Media



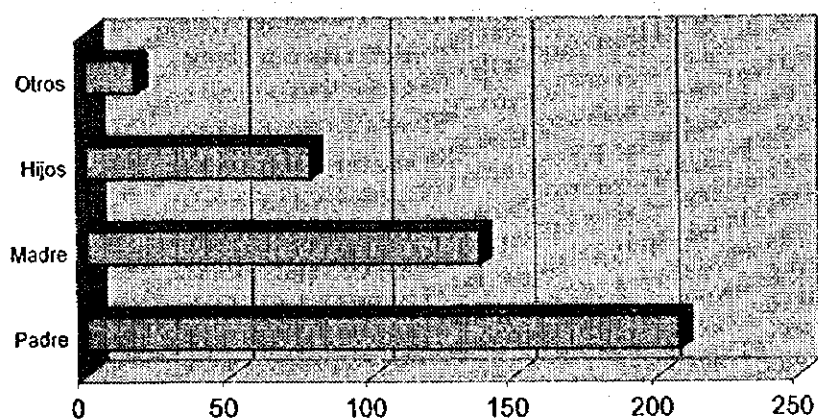
P1-4 Clase Baja



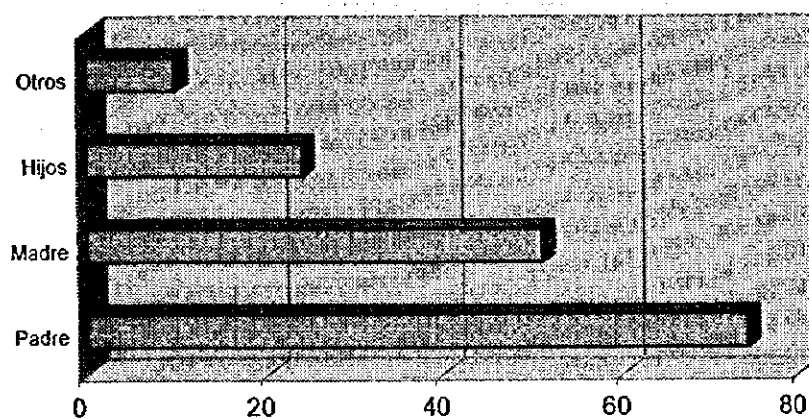
P1-5 Quien devenga sueldo en su familia ? (Respuesta múltiple)

	Clase Alta	Clase Media	Clase Baja	Total
Padre	74	65	68	207
Madre	51	53	34	138
Hijos	24	19	35	78
Otros	10	5	3	18

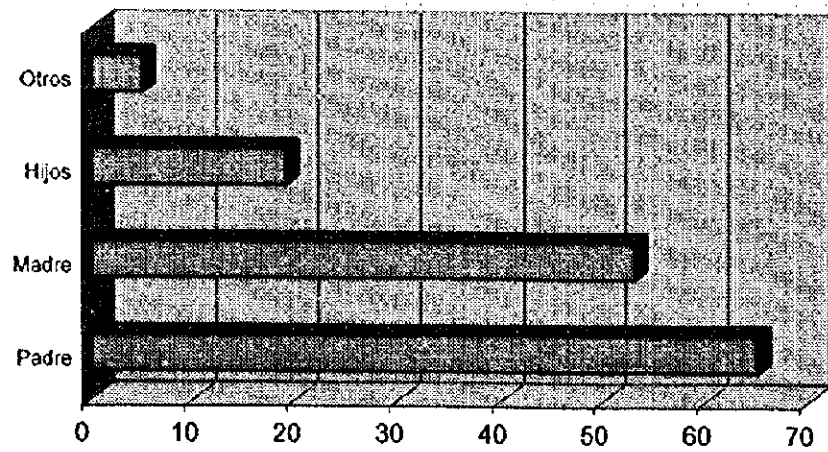
P1-5 Total



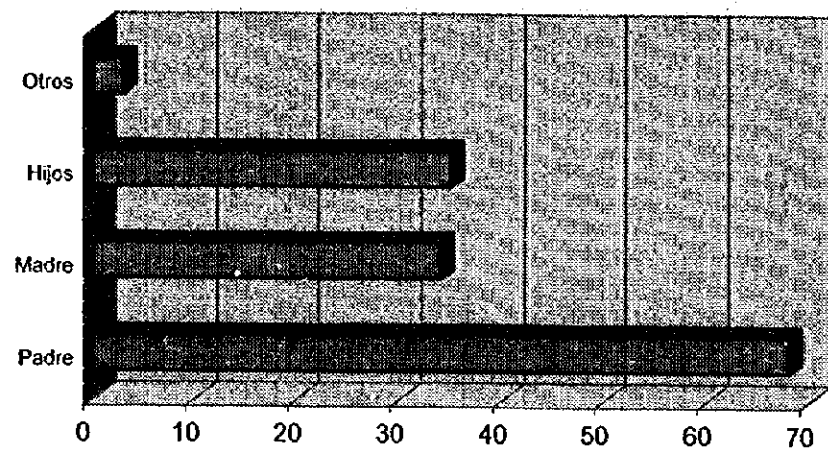
P1-5 Clase Alta



P1-5 Clase Media



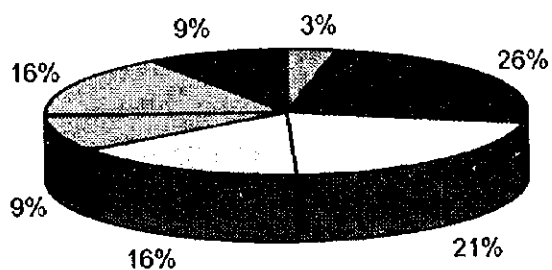
P1-5 Clase Baja



P1-6 Cuánto es el gasto mensual total en su casa ?

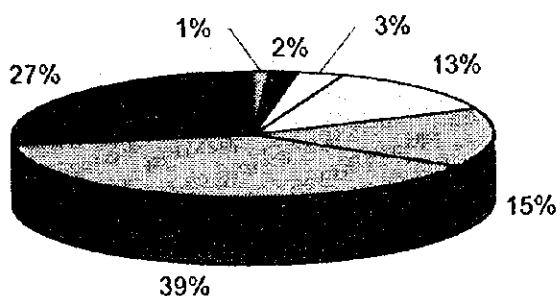
Quantity	Clase Alta	Clase Media	Clase Baja	Total
< L1000.00/mes	1	2	7	10
L1000-1999/mes	2	19	53	74
L2000-2999/mes	3	28	31	62
L3000-3999/mes	13	28	6	47
L4000-4999/mes	15	12	1	28
L5000-9999/mes	39	7	1	47
>L10,000.00/mes	27	1	0	28

P1-6 Total



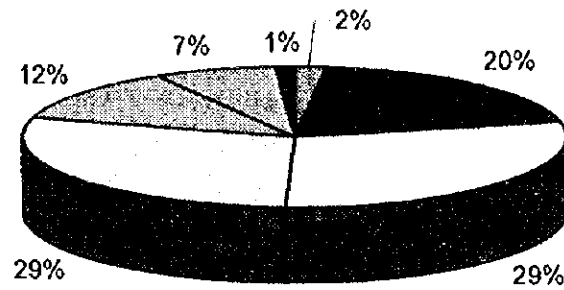
☐ < L1000.00/mes
 ☐ L1000-1999/mes
 ☐ L2000-2999/mes
 ☐ L3000-3999/mes
☐ L4000-4999/mes
 ☐ L5000-9999/mes
 ☐ >L10,000.00/mes

P1-6 Clase Alta



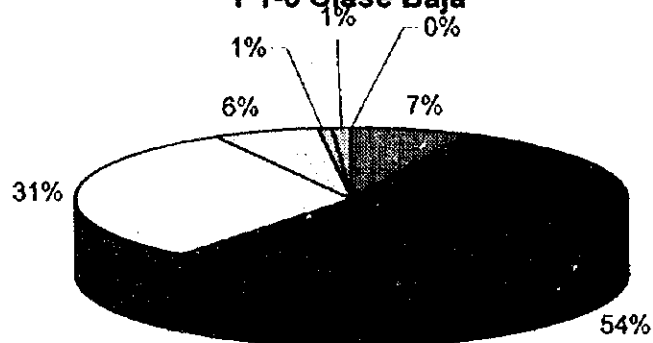
☐ < L1000.00/mes
 ☐ L1000-1999/mes
 ☐ L2000-2999/mes
 ☐ L3000-3999/mes
☐ L4000-4999/mes
 ☐ L5000-9999/mes
 ☐ >L10,000.00/mes

P1-6 Clase Media



■ < L1000.00/mes	■ L1000-1999/mes	□ L2000-2999/mes
□ L3000-3999/mes	□ L4000-4999/mes	□ L5000-9999/mes
■ > L10,000.00/mes		

P1-6 Clase Baja

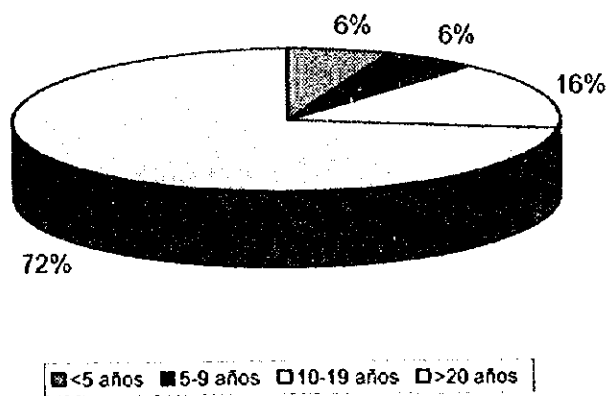


■ < L1000.00/mes	■ L1000-1999/mes	□ L2000-2999/mes	□ L3000-3999/mes
□ L4000-4999/mes	□ L5000-9999/mes	■ > L10,000.00/mes	

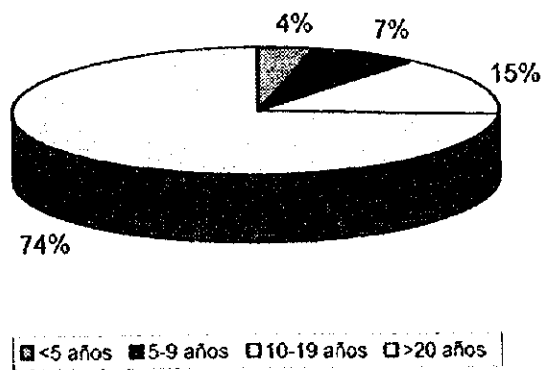
P1-7 Cuántos años tiene de vivir en Tegucigalpa?

Quantity	Clase Alta	Clase Media	Clase Baja	Total
<5 años	4	12	2	18
5-9 años	7	6	4	17
10-19 años	15	15	17	47
>20 años	74	67	77	218

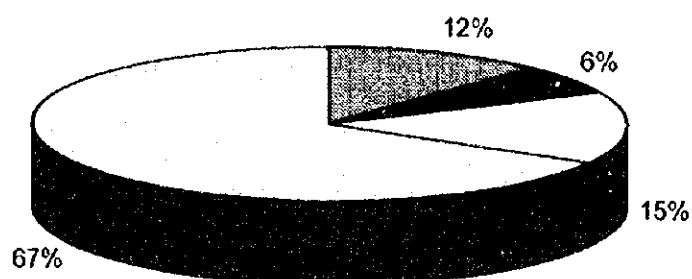
P1-7 Total



P1-7 Clase Alta

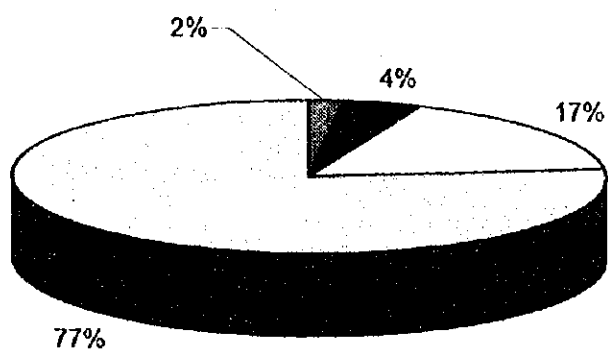


P1-7 Clase Media



■ <5 años ■ 5-9 años □ 10-19 años □ >20 años

P1-7 Clase Baja



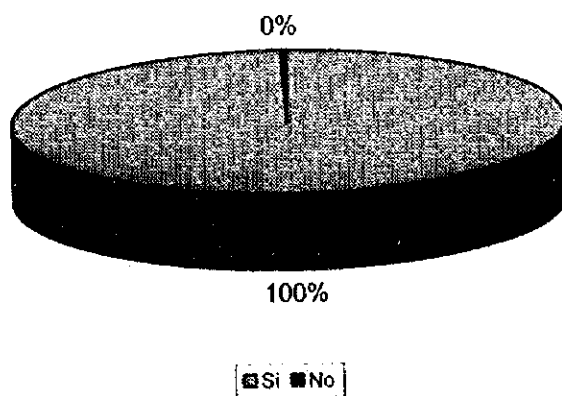
■ <5 años ■ 5-9 años □ 10-19 años □ >20 años

2. Situación Actual de los Servicios Públicos

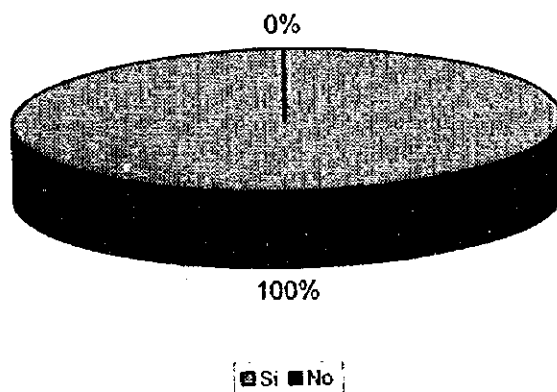
P2-1 Tiene Ud. servicio de agua potable ?

	Clase Alta	Clase Media	Clase Baja	Total
Si	100	100	99	299
No	0	0	1	1

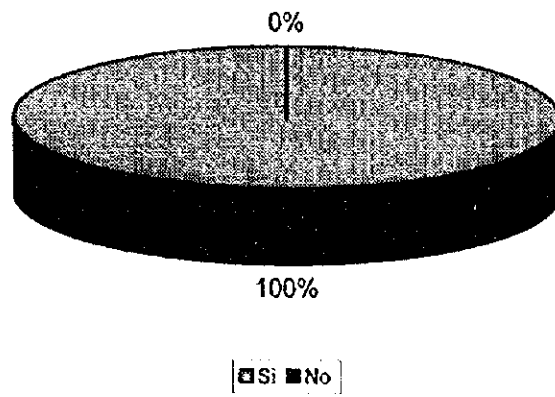
P2-1 Total



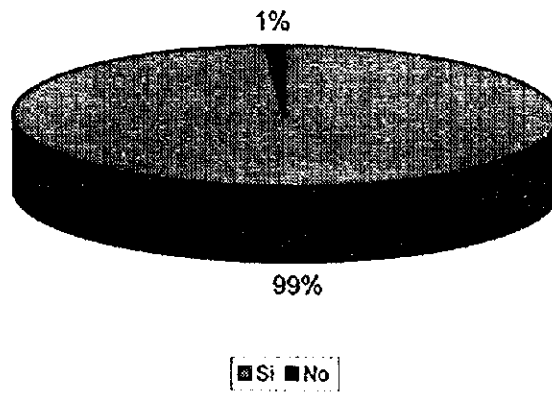
P2-1 Clase Alta



P2-1 Clase Media



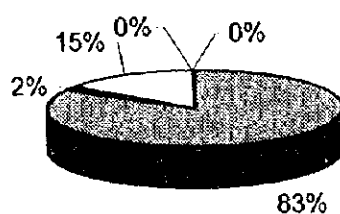
P2-1 Clase Baja



P2-2 Qué tipo de servicio sanitario usa en su vivienda?

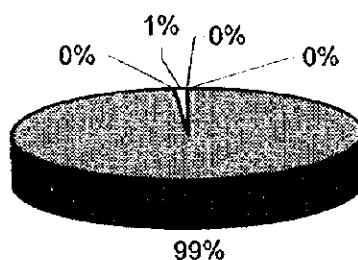
	Clase Alta	Clase Media	Clase Baja	Total
Servicio conectado al alcantarillado	99	95	56	250
Servicio conectado a un tanque séptico	0	4	1	5
Pit latrine	1	0	43	44
Letrina de pozo	0	0	0	0
Otros	0	1	0	1

P2-2 Total



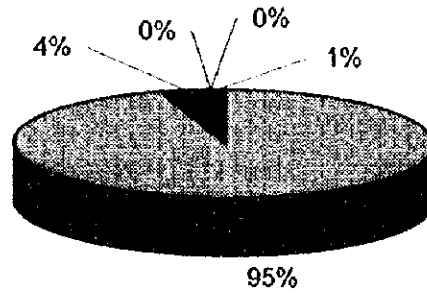
☒ Servicio conectado al alcantarillado
☒ Servicio conectado a un tanque séptico
☐ Pit latrine
☐ Letrina de pozo

P2-2 Clase Alta



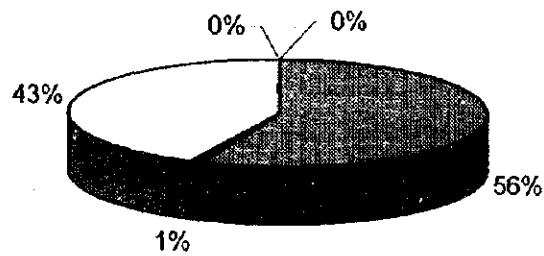
☒ Servicio conectado al alcantarillado
☒ Servicio conectado a un tanque séptico
☐ Pit latrine
☐ Letrina de pozo
☐ Otros

P2-2 Clase Media



■ Servicio conectado al alcantarillado	■ Servicio conectado a un tanque séptico
□ Pit latrine	□ Letrina de pozo
■ Otros	

P2-2 Clase Baja

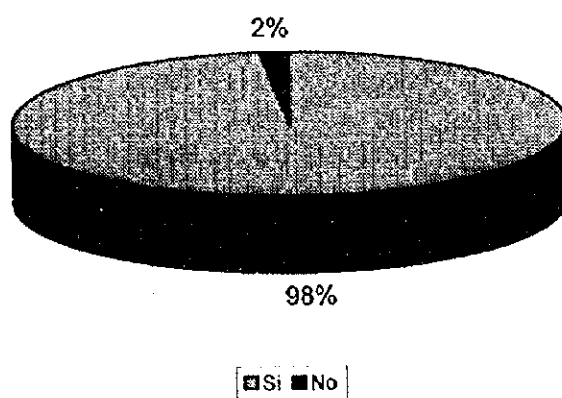


■ Servicio conectado al alcantarillado	■ Servicio conectado a un tanque séptico
□ Pit latrine	□ Letrina de pozo
■ Otros	

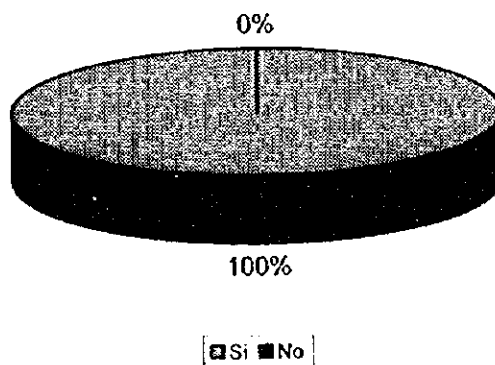
P2-3 Tiene electricidad ?

	Clase Alta	Clase Media	Clase Baja	Total
Si	100	96	99	295
No	0	4	1	5

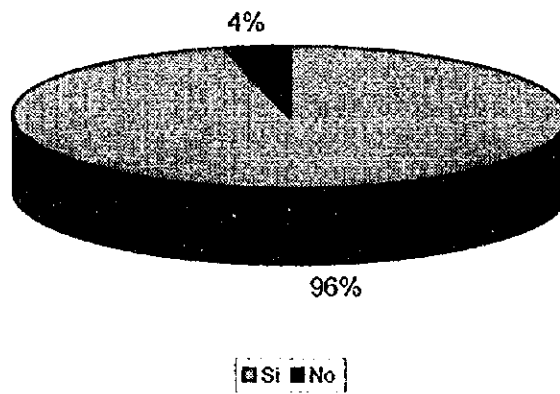
P2-3 Total



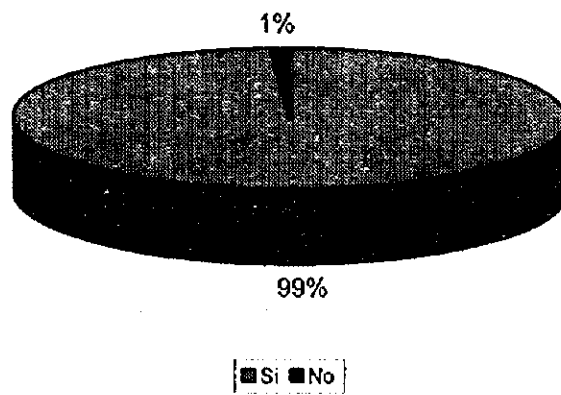
P2-3 Clase Alta



P2-3 Clase Media



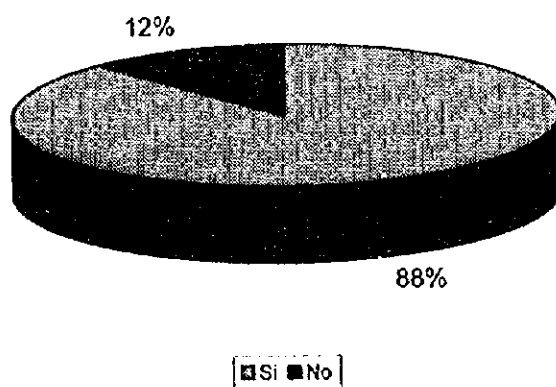
P2-3 Clase Baja



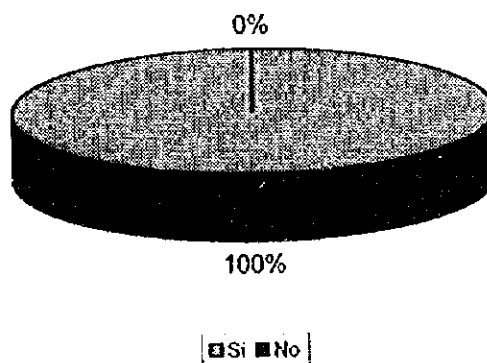
P2-4 Pueden llegar los vehículos a su vivienda ?

	Clase Alta	Clase Media	Clase Baja	Total
Si	100	84	80	264
No	0	16	20	36

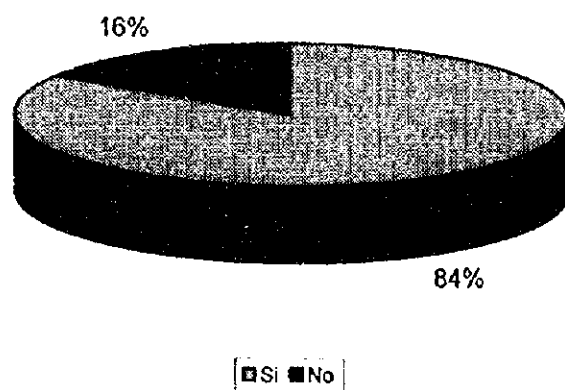
P2-4 Total



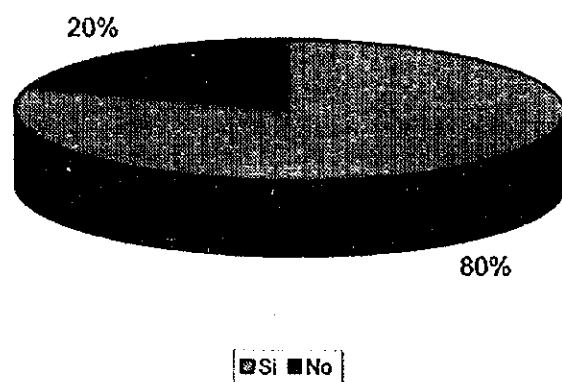
P2-4 Clase Alta



P2-4 Clase Media



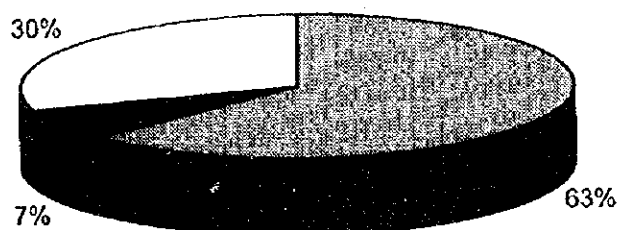
P2-4 Clase Baja



P2-5 De qué tipo es el pavimento de la calle de acceso a su vivienda ?

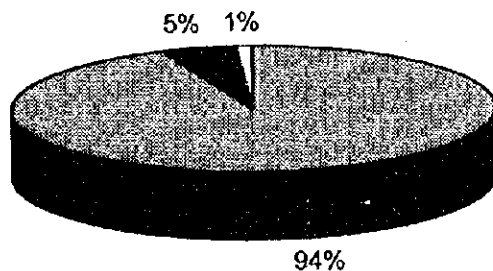
	Clase Alta	Clase Media	Clase Baja	Total
Asfalto, concreto o enladrillado	94	89	6	189
Balasto de grava	5	1	15	21
No hay pavimento	1	10	79	90

P2-5 Total



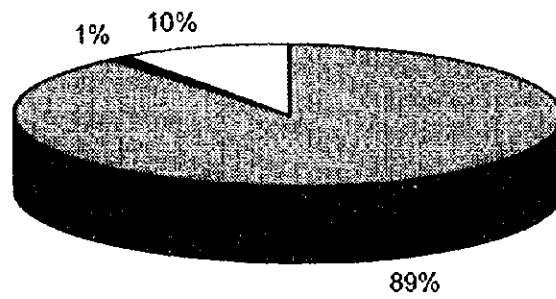
■ Asfalto, concreto o enladrillado ■ Balasto de grava □ No hay pavimento

P2-5 Clase Alta



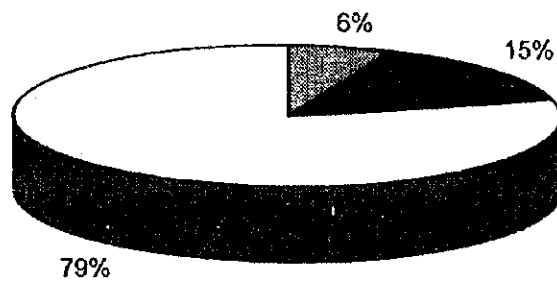
■ Asfalto, concreto o enladrillado ■ Balasto de grava □ No hay pavimento

P2-5 Clase Media



■ Asfalto, concreto o enladrillado ■ Balasto de grava □ No hay pavimento

P2-5 Clase Baja

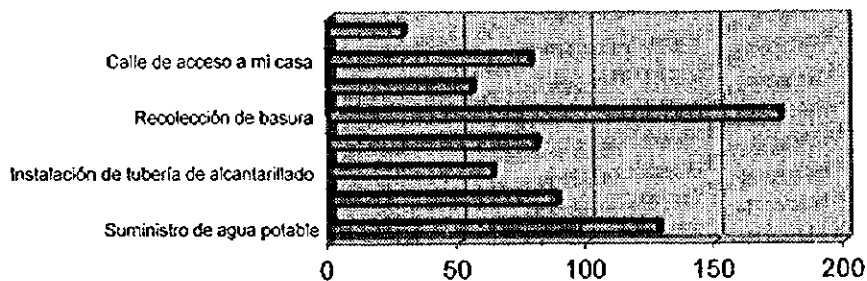


■ Asfalto, concreto o enladrillado ■ Balasto de grava □ No hay pavimento

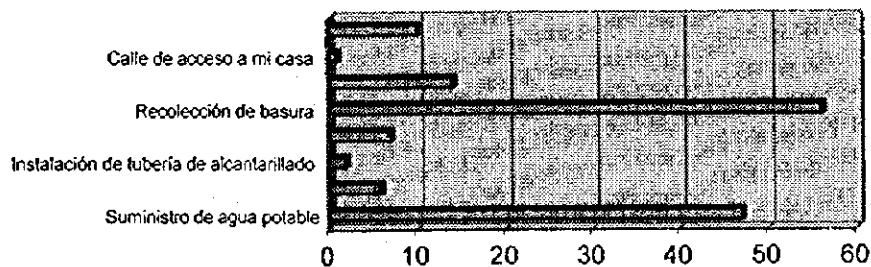
P2-6 Favor explique la prioridad en su vida diaria acerca del mejoramiento de los siguientes servicios ?

	Clase Alta	Clase Media	Clase Baja	Total
Suministro de agua potable	47	41	40	128
Drenaje de aguas lluvias	6	34	48	88
Instalación de tubería de alcantarillado	2	19	42	63
Recolección de aguas negras	7	33	40	80
Recolección de basura	56	65	54	175
Suministro de electricidad	14	31	10	55
Calle de acceso a mi casa	1	27	50	78
Otros	10	6	13	29

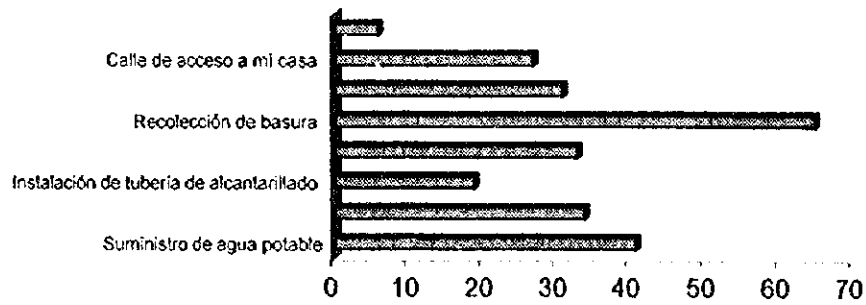
P2-6 Total



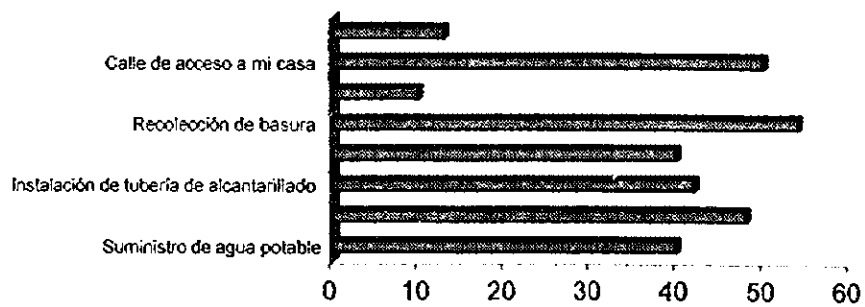
P2-6 Clase Alta



P2-6 Clase Media



P2-6 Clase Baja

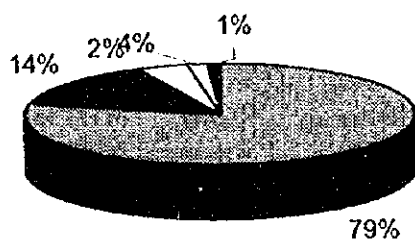


3. Preguntas sobre la descarga de basura desde su vivienda

P3-1 Cómo descarga la basura generada en su vivienda?

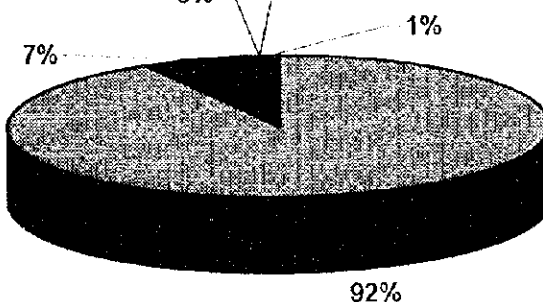
	Clase Alta	Clase Media	Clase Baja	Total
La deposito en un lugar específico	92	81	64	237
La deposito fuera de mi predio	7	18	17	42
Lo quemamos o enterramos en un	0	0	13	13
Lo entregamos a un recolector priva	0	1	4	5
Otros	1	0	2	3

P3-1 Total



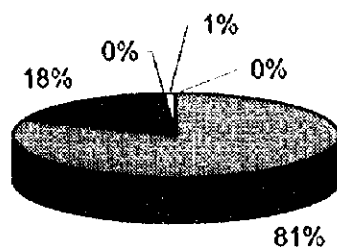
- La deposito en un lugar específico
- La deposito fuera de mi predio
- Lo quemamos o enterramos en un hoyo en el patio, etc.
- Lo entregamos a un recolector privado
- Otros

P3-1 Clase Alta



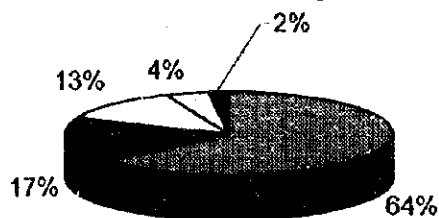
- La deposito en un lugar específico
- La deposito fuera de mi predio
- Lo quemamos o enterramos en un hoyo en el patio, etc.
- Lo entregamos a un recolector privado

P3-1 Clase Media



- ☒ La deposito en un lugar específico
- ☒ La deposito fuera de mi predio
- ☐ Lo quemamos o enterramos en un hoyo en el patio, etc.
- ☐ Lo entregamos a un recolector privado
- ☐ Otros

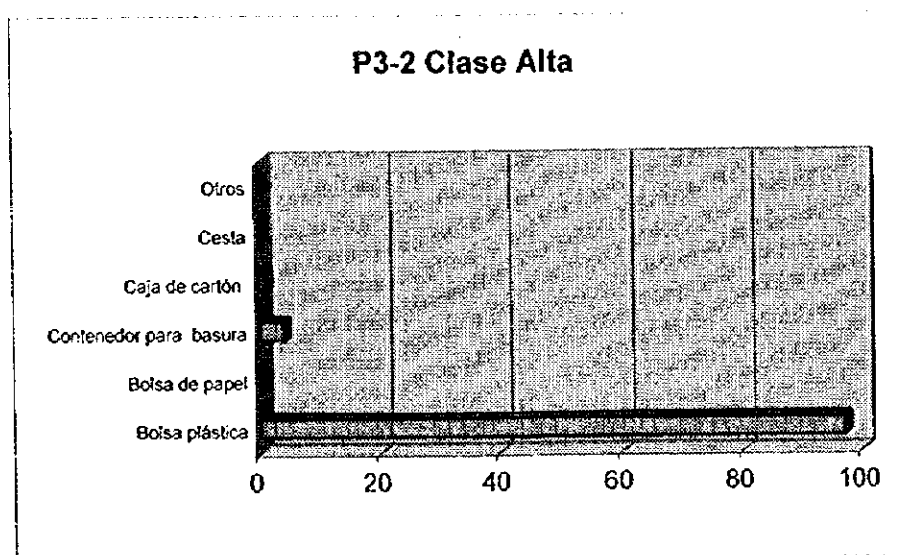
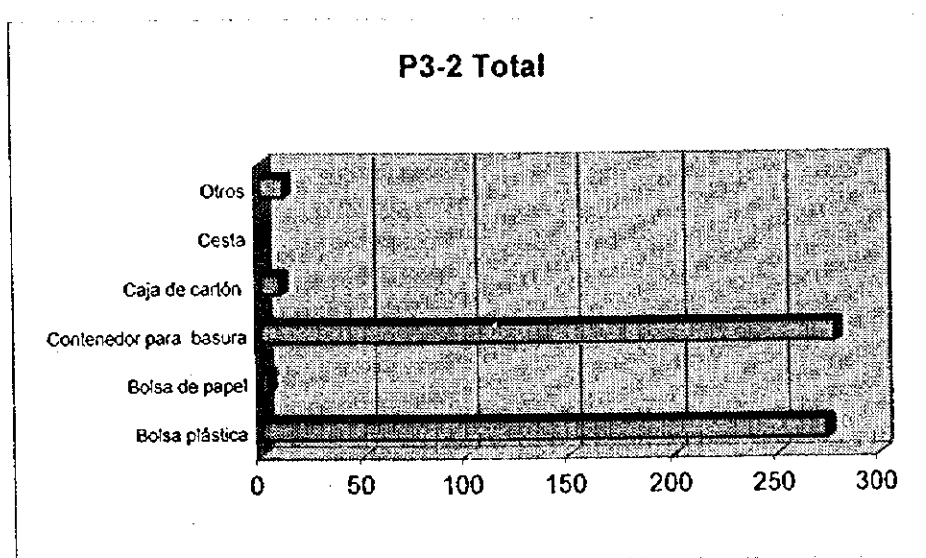
P3-1 Clase Baja



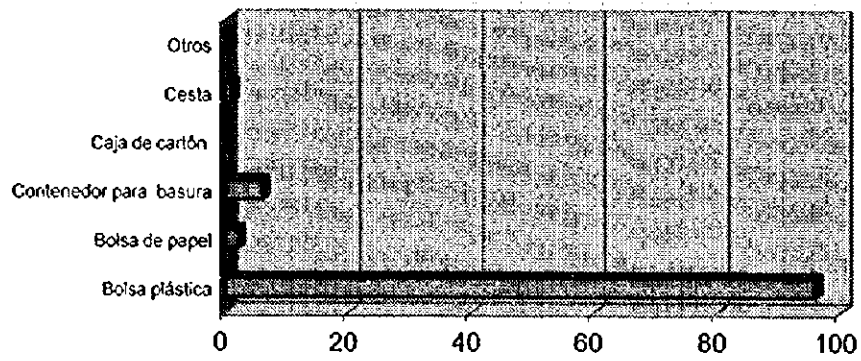
- ☒ La deposito en un lugar específico
- ☒ La deposito fuera de mi predio
- ☐ Lo quemamos o enterramos en un hoyo en el patio, etc.
- ☐ Lo entregamos a un recolector privado
- ☐ Otros

P3-2 Qué tipo de recipiente usa para llevar la basura al punto de recolección?
(Respuesta múltiple)

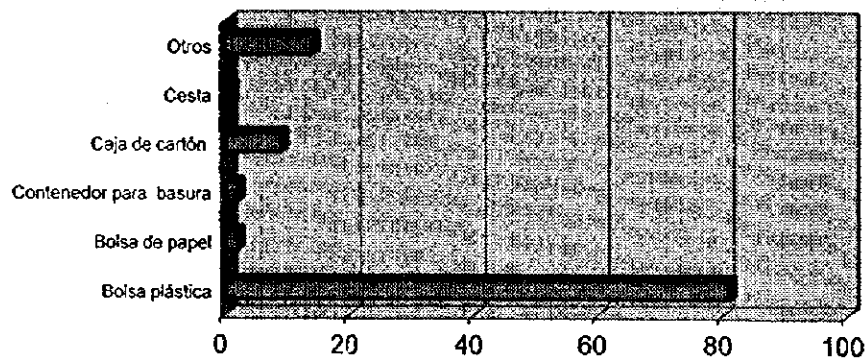
	Clase Alta	Clase Media	Clase Baja	Total
Bolsa plástica	97	96	81	274
Bolsa de papel	0	2	2	4
Contenedor para basura	4	6	2	12
Caja de cartón	1	0	9	10
Cesta	0	1	1	2
Otros	0	0	14	14



P3-2 Clase Media



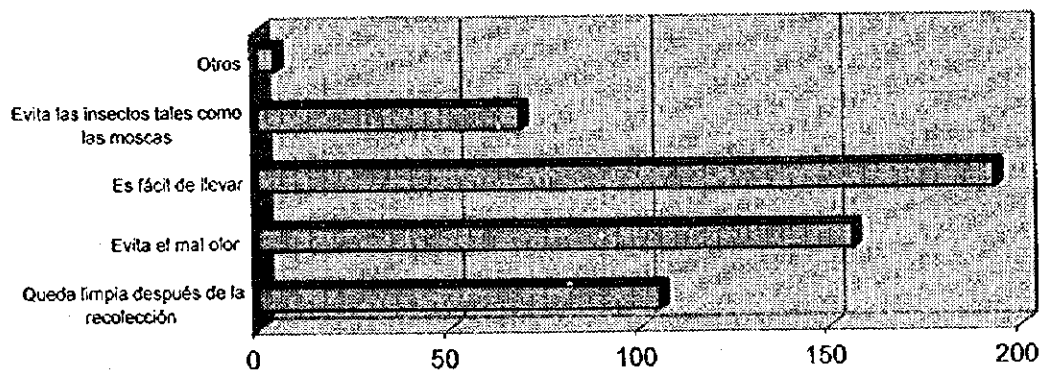
P3-2 Clase Baja



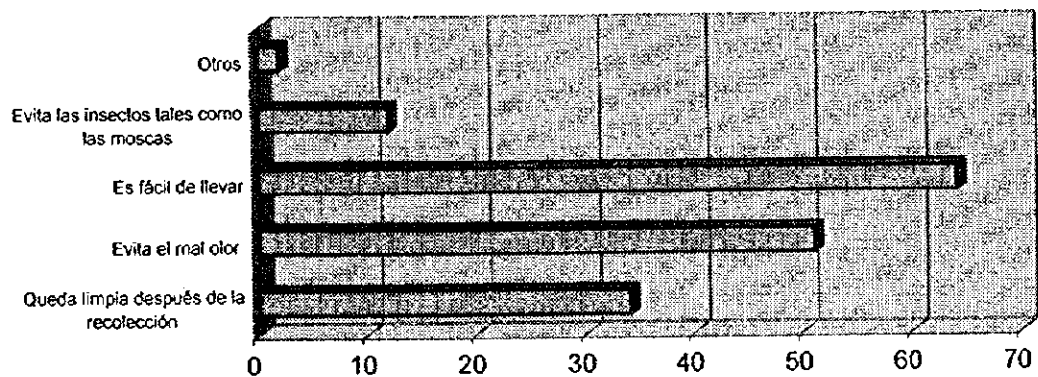
P3-3 Porqué usa eso? (Respuesta múltiple)

	Clase Alta	Clase Media	Clase Baja	Total
Queda limpia después de la recolección	34	51	20	105
Evita el mal olor	51	48	57	156
Es fácil de llevar	64	64	65	193
Evita las insectos tales como las moscas	12	31	26	69
Otros	2	1	2	5

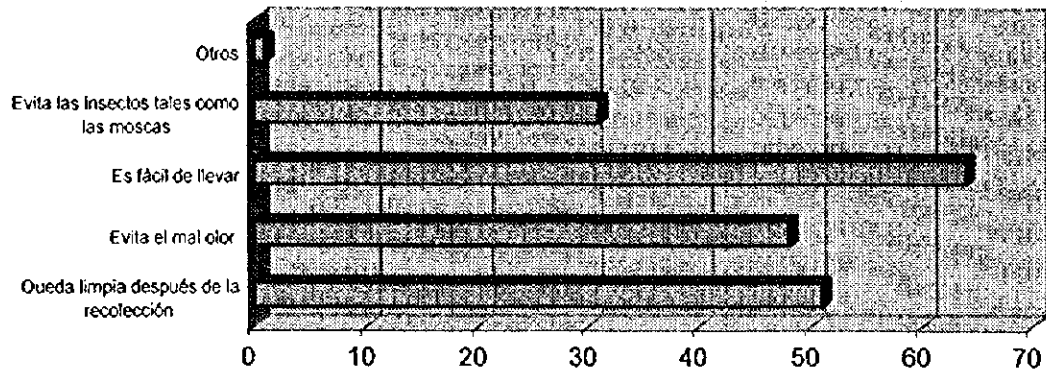
P3-3 Total



P3-3 Clase Alta



P3-3 Clase Media



P3-3 Clase Baja

