

15. Bus Passenger Survey

1) Survey Objective

The survey objective of Bus Passenger Survey is as follows:

- To obtain profile of principal bus terminals
- To obtain number of boarding and alighting passengers by route at selected major bus terminals
- To obtain bus passenger's perception

2) Survey Method

The following three surveys were carried out in the manner mentioned below.

A. Terminal Inventory Survey

The terminal inventory survey was conducted by three survey teams on February 11. 61 major urban and inter-urban bus terminals located in the Study Area were surveyed. (See Figure 15.1). The information obtained includes:

- Bus route number
- Inter-modal function
- Number of waiting buses
- Number of supervisors, dispatchers and police officers
- Terminal type (road side, on road etc.)
- Land use
- Terminal charge
- Parking space
- Etc.

The survey form is presented in Figure 15.3.

B. Bus Passenger Count Survey

Terminals for this survey were selected based on the following criteria:

- Terminal which has more than three routes
- Terminal which has both urban and inter-urban functions.

Selected bus terminals are as follows:

- El Seminario
- Camilo Ortega
- Mercado Mayorista de Managua
- Mercado Oriental
- Los Laureles Sur

The location of the selected bus terminals is exhibited in Figure 15.2.

This survey was conducted on February 17. Five survey teams simultaneously started the counting survey from 7 a.m. and continued for 12 hours. Each surveyor counted the number of passengers boarding and alighting from one or two bus routes at the terminal.

The survey form used is presented in Figure 15.4.

Figure 15.1 Location of Bus Terminal Survey Point

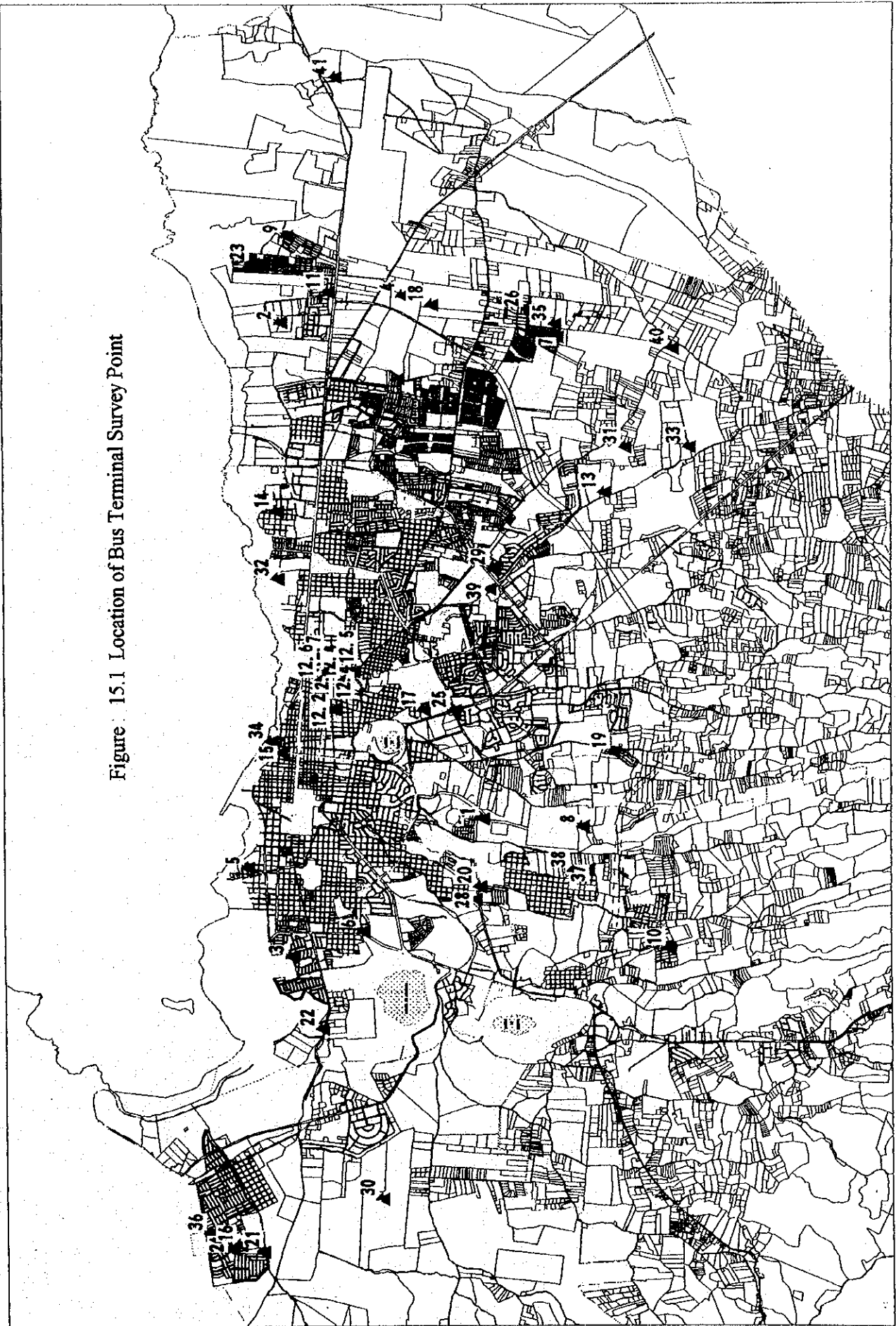


Figure 15.2 Location of Bus Passenger Survey Points

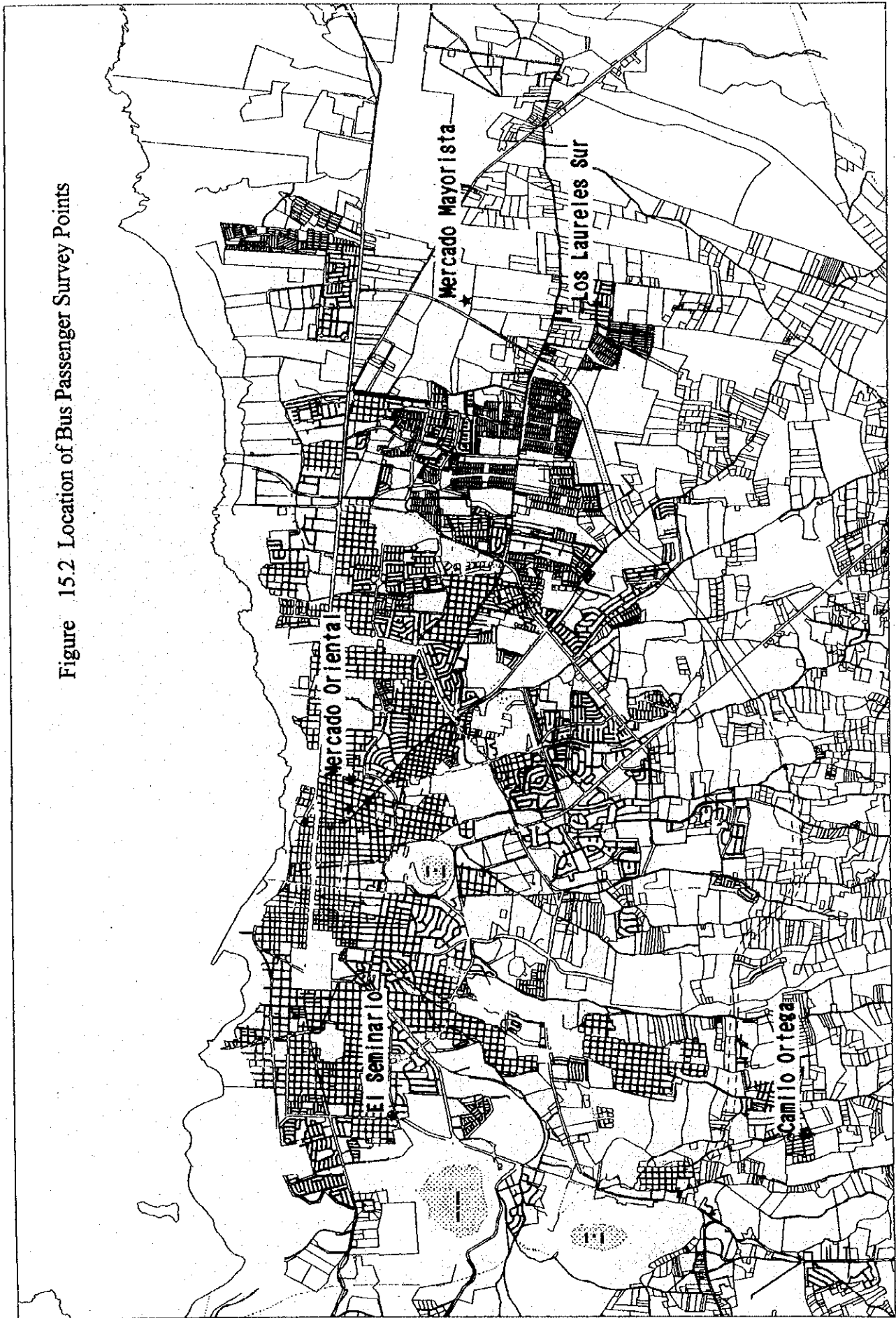


Figure 15.3
Bus Terminal Survey Form

PERFIL DE TERMINAL DE BUSES

Nombre de la Terminal	
Nombre del Encuest.	
Fecha de la Encuesta	

No. Ruta e Bus	1.	
	2.	
	3.	
	4.	
	5.	
Función Intermodal	<input type="checkbox"/> Minu Bus (1)	<input type="checkbox"/> Bus Grande (3)
	<input type="checkbox"/> Bus International (2)	<input type="checkbox"/> Taxi (4)
No. de Buses en fila (en espera)		
No. de Supervisores		
No. de Despachadores		
No. de Policías de Tráfico		
Tipo de Terminal (Fuera / Sobre la carretera)		
Uso del Terreno	<input type="checkbox"/> 1. Comercial	<input type="checkbox"/> 4. Residencial
	<input type="checkbox"/> 2. Institucional	<input type="checkbox"/> 5. Otros
	<input type="checkbox"/> 3. Industrial	
Pago por uso de la Terminal (inter-urbano)/bus	<input type="checkbox"/> Ninguno	<input type="text"/> C\$/salida
Recaudador de la Cuota de la Terminal		
Espacio para Buses en Espera / Parqueados		
Areas / Facilidades Generadoras de Tráfico		
Facilidades afines con la Operación de Buses		

Croquis de la Terminal:

Figure 15.4
Bus Passenger Count Survey Form

ENCUESTA DE CONTEO DE PASAJEROS DE BUSES

Nombre de la Terminal: _____

Tipo de Transporte: Mini bus
 Bus grande

Fecha de la Encuesta: _____

Fecha de la Encuestador : 1er. turno _____
 2do. turno _____

Tiempo: _____
 Nombre del Supervisor: _____

Hora		Nombre de la Ruta: _____		Nombre de la Ruta: _____	
		Vía: _____		Vía: _____	
		Dirección: _____		Dirección: _____	
P R I M E R T U R N O	7:00-8:00 am	Pasajeros Abordando	Pasajero Bajando	Pasajeros Abordando	Pasajero Bajando
	8:00-9:00 am				
	9:00-10:00 am				
	10:00-11:00 am				
	11:00-12:00 am				
	12:00-1:00 pm				
	Sub-total				
S E G U N D O T U R N O	1:00-2:00 pm				
	2:00-3:00 pm				
	3:00-4:00 pm				
	4:00-5:00 pm				
	5:00-6:00 pm				
	6:00-7:00 pm				
	Sub-total				
Total					

C. Bus Passenger Perception Survey

This survey was carried on at the same terminals as the passenger count survey. Two surveyors were dispatched and randomly interviewed passengers boarding and alighting a bus. The following information was obtained:

- Passenger's attribute: sex, age, occupation, residence, work place etc.
- Trip information: origin and destination, trip purpose, access mode, trip time etc.
- Assessment of terminal and suggestion to public service

Most interviewees randomly selected, however, refused to answer. Therefore, the result of the survey might be biased to some extent.

The survey form used is presented in Figure 15.5.

Figure 15.5
Survey Form for Bus Passengers' Perception

ENCUESTA DE PERCEPCION DE TERMINAL DE PASAJEROS DE TRANSPORTE PUBLICO

Terminal / Estación: _____ Supervisor: _____
 Fecha: _____ Hora: _____ Tiempo: _____ Encuestador: _____

1. Sexo:	<input type="checkbox"/> M <input type="checkbox"/> F	2. Edad	<input type="text"/> <input type="text"/>	3. Ocupación	<input type="text"/>
4. Residencia	<input type="text"/>				
5. Lugar de Trabajo/Escuela	<input type="text"/>				
6. Dueño del Vehículo	<input type="checkbox"/> Propio	<input type="checkbox"/> Otro Miembro de la Familia	<input type="checkbox"/> Ninguno		
7. Destino Final	<input type="text"/>				
8. Dónde empezó el viaje?	<input type="text"/>				
9. Cuál es el propósito de este viaje?	<input type="text"/>				
10. Qué medio utilizó para venir hasta aquí?	<input type="text"/>				
Nombre de la Ruta, si existe _____					
11. Qué medio utilizará para moverse desde aquí hacia su destino?	<input type="text"/>				
Nombre de la Ruta, si existe _____					
12. Cuántos minutos espera estar dentro de esta estación/terminal?	1) caminando, adq bolotos, etc		<input type="text"/>	rr ins.	
	2) esperando		<input type="text"/>	rr ins.	
13. Porqué usó ésta estación/terminal? (escoga dos)	<input type="text"/>				
14. Cuál cree ud. es el problema mas grande de esta terminal? (escoga dos)	<input type="text"/>				
15. Qué sugiera para mejorar esta terminal?	<input type="text"/>				
16. Valoración del Area de Terminal/Transferencia de Transporte Público					
1) Dispon. del Serv.	<input type="checkbox"/> Muy bueno	<input type="checkbox"/> Bueno	<input type="checkbox"/> Acept	<input type="checkbox"/> Malo	<input type="checkbox"/> Muy Malo
2) Frecuencia	<input type="checkbox"/> Muy bueno	<input type="checkbox"/> Bueno	<input type="checkbox"/> Acept	<input type="checkbox"/> Malo	<input type="checkbox"/> Muy Malo
3) Confortable.	<input type="checkbox"/> Muy bueno	<input type="checkbox"/> Bueno	<input type="checkbox"/> Acept	<input type="checkbox"/> Malo	<input type="checkbox"/> Muy Malo
4) Seguridad	<input type="checkbox"/> Muy bueno	<input type="checkbox"/> Bueno	<input type="checkbox"/> Acept	<input type="checkbox"/> Malo	<input type="checkbox"/> Muy Malo
5) Puntualidad	<input type="checkbox"/> Muy bueno	<input type="checkbox"/> Bueno	<input type="checkbox"/> Acept	<input type="checkbox"/> Malo	<input type="checkbox"/> Muy Malo
17. Asumiendo una reducción de su tiempo para transferencia. Cuánto está dispuesto a pagar adicionalmente ?	por 30 mins reducción		<input type="text"/>	C\$	
	20 mins reducción		<input type="text"/>	C\$	
	10 mins reducción		<input type="text"/>	C\$	
	5 mins reducción		<input type="text"/>	C\$	

3. Ocupación	9. Propósito del viaje	10. 11 Medio de viaje
1. Oficial del Gob. y Org. de Especial Inter. , Ejec. Incorporado, Gerente, Gerente-Proprietario y Supervisor	1. A casa	1. Caminando
2. Profesional	2. Al trabajo	2. Vehículo de Pasajeros
3. Técnico y Assoc. Profesional	3. A la Escuela (o estudiar)	3. Mini Bus
4. Oficinista	4. Privado	4. Bus Largo
5. Artesano público, Tiendas y Mercado	5. Negocio	5. Taxi
6. Granjero, Agricultor y Pescador	6. Otros	6. Camioneta pequeña
7. Comercio y Trabajador Afín		7. Camioneta grande
8. Oper. de Plantas, Maq. y Ensamblador		8. Camión-Trailer
9. Obrero y trabajador sin experiencia		9. Motocicleta
10. Estudiante (Primaria)		10. Bicicleta
11. Estudiante (secundaria y Universidad)		11. Otros
12. Ama de Casa		
13. Desempleado		
14. Otros (especifique)		

13. Razón para Usar esta Estación / Terminal
1. Cerca del viaje de origen/destino
2. Rutas convenientes
3. Minimizar No. de transferencia
4. Rápida transferencia (distancia corta para caminar)
5. Asientos disponibles
6. Limpio
7. Facilidades de comercio/ comida / entretenimiento
8. Otros

14. Problemas de esta Terminal
1. Acceso difícil en las entradas (congestionamiento)
2. Congestión dentro de la terminal
3. Poca condición para caminar
4. Sucio
5. Poca seguridad
6. Facilidades de espera muy pobre
7. Conductores indisciplinados
8. Otros.

16. Taxi Survey

1) Objectives

The Taxi Survey was conducted aiming to grasp operating characteristics of taxis in Managua by interviewing taxi operators.

2) Methodology

The survey was conducted on February 11, 1998 from 8:00 a.m. to 5:00 p.m. A surveyor stopped a taxi and interviewed to obtain the following information:

- Vehicle owner
- Number of trips per day
- Average running kilometers per day
- Working hours
- Working days per week
- Number of operating days
- Income and expense
- Driver's attribute (age, experience, educational background, family income etc.)

Surveyed stations are as follows:

- Calle Colon, frente a Iglesia El Carmen
- Calle Colon, frente al RUCFA
- Dupla Norte, frente al MITRAB
- Pista Sub-Urbana, frente al Mercado Central
- Pista Benjamin Zeledon, frente al Supermercado La Colonia de Plaza España.

The location of the above stations is shown in Figure 16.1.

The survey form used is presented in Figure 16.2.

Figure 16.1 Location of Taxi Survey Points

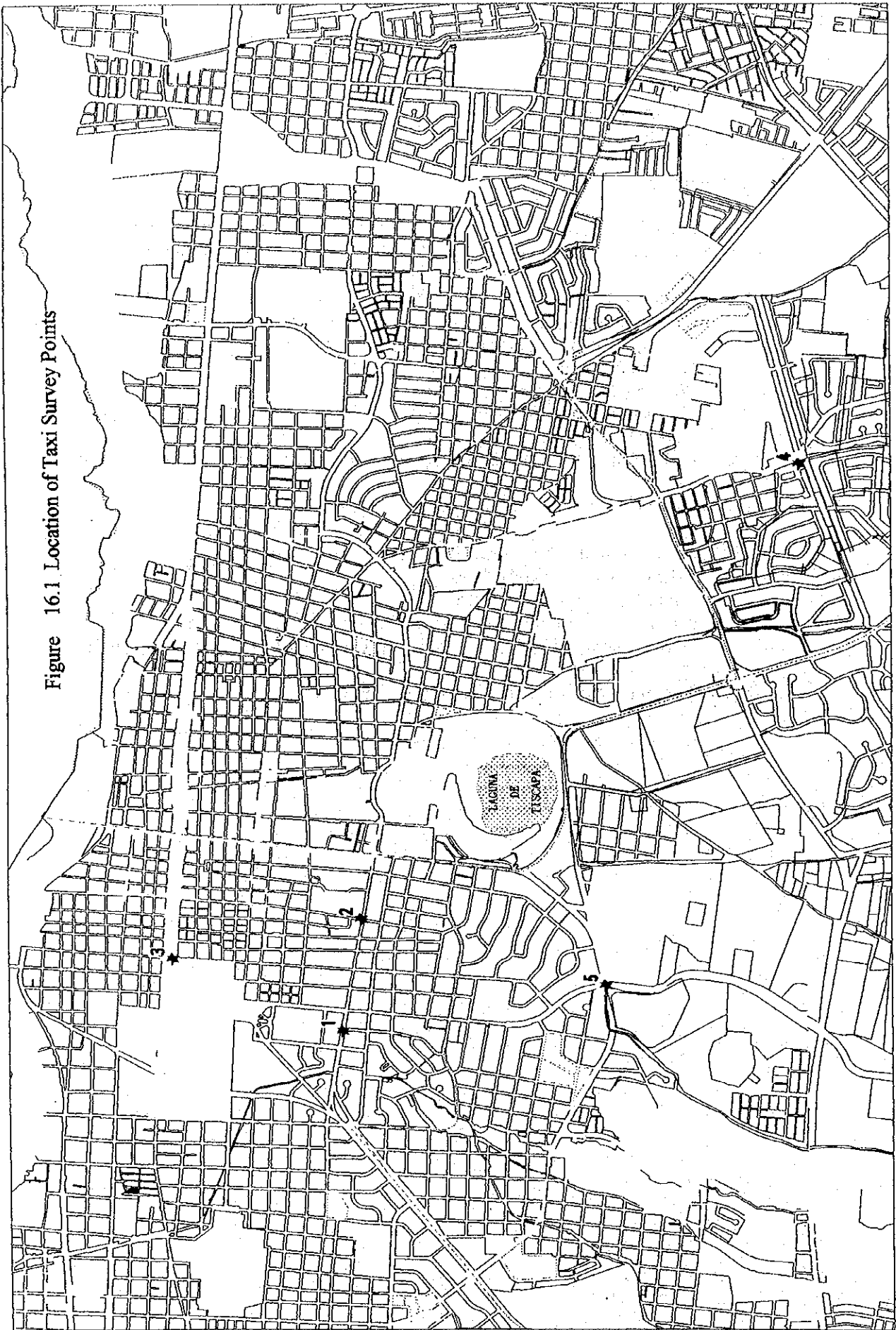


Figure 16.2
Taxi Survey Form

FORMULARIO DE ENCUESTA DE ENTREVISTA PARA TAXISTAS

Nombre de la Terminal:	Fecha:	Hora:	Entrevistador:	Supervisor:						
	1	2	3	4	5	6	7	8	9	10
1. Es dueño del Vehículo										
2. No. Viajes pagados / Día										
3. Promedio de Kms corridos / Día										
4. Promedio de kms corridos pagados / Día										
5. Horas de Trabajo / Día										
6. No. de Días Trabajados / Semana										
7. No. de Conduct. Asignados a este Vehículos										
8. No de días operac. de este Vehículo en la última semana										
9. Promedio de ingreso bruto / día										
- Todos los días										
- Feriados (fescansos)										
10. Promedio de Gastos / Día										
- Mantenimiento y pagos de renta										
- Combustible y Aceite										
- Otros (especifique)										
11. Ingreso Neto por Día										
12. Hace cuanto tiempo maneja taxi?										
13. Edad del conductor										
14. Nivel Académico										
15. No. de Dependientes										
16. Ingreso Familiar										
17. No. de Placa										
18. Cooperativa										

17. Air Pollution Survey

1) Objectives

In order to identify the present situation of air pollution in Managua, a field survey was carried out to obtain basic data of concentration of NO₂, SO₂, NO_x, and SPM (Suspended Particulate Matter) by portable monitoring devices and equipment.

2) Methodology

A field survey team of eight (8) officials of the Municipality of Managua and a member of the JICA Study Team was organized for the implementation of the air pollution survey. Table 17.1 shows the methodological outline of the surveys conducted.

Table 17.1 Methodological Outline of Air Pollution Survey

Item	Device	Monitoring	Locations
NO ₂	NO ₂ Passive Monitor	24 hours (1 day) monitoring x 3 days, exchanging the device for evaluating daily difference of concentration.	30
SO ₂	SO ₂ Passive Monitor	72 hours (3 days) monitoring. Setting monitors at locations selected in the morning of the 1 st day of the Survey and collecting the monitors at the end (72 hours later).	30
NO _x	NO _x Passive Monitor	72 hours (3 days) monitoring. Setting monitors at locations selected in the morning of the 1 st day of the Survey and collecting the monitors at the end (72 hours later).	30
SPM	Piezo Balance Dust Counter	2 times of 2 minute measurements were executed for every 15 minutes of each hour.	4
Meteoro-Logical	Anemometer and Others	Meteorological data including wind velocity at survey locations.	3

3) Survey Location

Survey locations were selected in consideration of land use and type of roads nearby, as shown in Table 17.2.

Table 17.2 Number of Survey Locations Selected

Location Category	NO ₂ , SO ₂ , & NO _x	SPM	Meteoro-gical data
A Congested roadside in the Center of Managua City	10 locations	1 location	1 location
B Along arterial road	10 locations	1 location	1 location
C Along secondary road	6 locations	1 location	1 location
D Residential area in the outskirts of Managua City	5 locations	1 location	-

Actual survey locations were identified as shown in Table 17.3 after consultation with the staff of the Municipality of Managua and the Police. The survey locations for SPM are A8, B6, C2 and D5, and those for meteorological data are A8, B6 and C2.

Actual survey locations were identified as shown in Table 17.3 after consultation with the staff of the Municipality of Managua and the Police. The survey locations for SPM are A8, B6, C2 and D5, and those for meteorological data are A8, B6 and C2.

Table 17.3 Survey Locations

(Category A)

No.	Survey Location
A1	South-East side of the Central Market (Roberto Huembes)
A2	South side of the North Road (km. 4 – Robelo)
A3	South side of Main Road to Masaya (Plaza de Compras , the Supermarket)
A4	Mayoreo Market entrance 200 m North
A5	Intersection Refinery and Linda Vista neighborhood (4 lines)
A6	South side of "Radio University"
A7	South side of Ruben Dario Roundabout (Metrocentro)
A8*	Victoria Brewery, 1 block East, North Road
A9	Gancho de Camino, in front of Police Station
A10	South East side of Rubenia intersection

Note A8*: Survey location for SPM, Noise level, Traffic volume and Meteorological survey.

(Category B)

No.	Survey Location
B1	El Gueguense Roundabout, 200 mts West
B2	South-East side of National Assembly intersection
B3	Next to Nicalit Factory
B4	Texaco Guanacaste gas station, South-West corner
B5	Main Avenue Altamira D'Este
B6*	South-West side Tenderi intersection
B7	Bello Horizonte Roundabout, South-West side, at front of "Cine America"
B8	RUPAP intersection (Villa Progreso)
B9	Ivan Montenegro Market, 300 mts North
B10	West side of South Road (km. 7.3)

Note B6*: Survey location for SPM, Noise level, Traffic volume and Meteorological survey.

(Category C)

No.	Survey Location
C1	Main entrance of Ciudad Sandino
C2*	Villa Miguel Gutierrez, main entrance 200 mts East
C3	Las Colinas entrance, 100 mts West
C4	"Ideal" Drugstore 1 block East (Salomon Moreno neighborhood)
C5	Camilo Ortega Monument 200 mts East
C6	Entrance to Loma Linda, Mr. Freddy Lopez house. (at front of blocks factory)

Note C2*: Survey location for SPM, Noise level, Traffic volume and Meteorological survey.

(Category D)

No.	Survey Location
D1	Villa Venezuela's Health Unit (main entrance)
D2	Hydrojet Squad, 100 mts South (Acahualinca)
D3	At Aurora's Bakery, road to Sabana Grande
D4	300 mts West of Military Hospital, Benjamin Zeledon Road
D5*	Las Colinas first entrance 500 mts South

Note D5*: Survey location for SPM, Noise level and Traffic volume survey.

4) Schedule

The surveys were conducted during the period February 8 (Sunday) to 10 (Tuesday), 1998 and February 15 (Sunday) to 17 (Tuesday), 1998. During the survey period, some passive monitors were stolen or intentionally damaged. This is the reason why the surveys had to be reiterated for some locations.

18. Noise Survey

1) Objectives

In general, the noise level is closely related to traffic volume, vehicle type, condition of vehicle and pavement condition. Hence, in order to plan the future road network, the possible magnitude of noise level should be taken into account so that the alignment and type of roads would be consistent to the planned land use. This survey intends to obtain the information regarding the current level of traffic noise in Managua.

2) Methodology

The survey was carried out together with the air pollution survey by the same team (See Section 17). The methodological outline is shown in Table 18.1.

Table 18.1 Methodological Outline of Noise Survey

Item	Device	Monitoring	Locations
Noise	Sound Level Meter	Road noise level was measured in the morning, day time and evening	4
Traffic Volume		5 minutes traffic count by vehicle type of each direction of a road for evaluating relationship between vehicle volume and noise level.	4

3) Survey Locations

The surveys of noise and traffic volume were carried out at the same four (4) locations as the SPM measurement (A8, B6, C2, and D5; See Table 17.3).

4) Schedule

The surveys were conducted during the period February 8 (Sunday) to 10 (Tuesday), 1998 for A8, B6 and C2, and February 15 (Sunday) to 17 (Tuesday) 1998 for C2 and D5.

1. REVISION AND DETERMINATION OF THE ESTIMATED POPULATION BY ZONE FOR 1998.

The population estimated by zone in February 1998, was considered to have some question about its size and distribution. A cooperative work between URBANISMO of ALMA and JICA Study Team for the revision of 1998 population has been carried out since the beginning of May 1998.

The purposes and results of the revision are as follows:

1. Purpose

- Revision about over-estimated urban population by reducing the average number of persons per house (from 7-11 persons/house to 5-7 persons/house).
- Revision about overestimated rural population based on the 1995 Census Segment Data.
- Revision related to the correspondence between Zone Number and location of barrios and new development sites.

2. Main Results

- The total population is estimated at 1,200,285 persons (decrease of 224,418 persons).
- Urban population of District I – V is decreased mainly due to the reduction of family size.
- Urban population of District VI is increased by adding the population of new development projects which was not included in the former estimation.
- Rural population is generally decreased due to the large number of the former estimation (more than 100 thousand persons).

Differences between 2 Estimates of Population by Zone

District	Zone Number	URB. Feb., 1998	URB/JICA Jun., 1998	Difference (A)-(B)		District	Zone Number	URB. Feb., 1998	URB/JICA Jun., 1998	Difference (A)-(B)	
I	1	771	760	-11	R	IV	48	512	434	-78	
	2	25,735	19,874	-5,861			49	1,438	7,341	5,903	J
	3	1,330	1,350	20			50	4,464	6,460	1,996	
	4	74,611	50,459	-24,152			51	16,025	9,560	-6,465	J
	5	0	0	0			52	7,120	5,841	-1,279	
	6	0	0	0			53	15,590	11,558	-4,032	J
	7	1,200	2,060	860	R		54	16,195	16,952	757	J
	8	2,895	2,500	-395	R		55	10,663	7,043	-3,620	
	Sub-total	106,542	77,003	-29,539			56	10,179	9,284	-895	J
II	9	4,181	5,642	1,461		57	4,621	3,000	-1,621		
	10	8,944	8,582	-362		58	20,922	13,034	-7,888		
	11	15,294	13,626	-1,668		59	7,304	4,449	-2,855		
	12	28,420	24,727	-3,693		60	24,632	20,396	-4,236		
	13	21,425	19,052	-2,373		61	30,163	21,728	-8,435		
	14	24,560	11,612	-12,948		62	28,691	23,459	-5,232		
	15	20,827	17,684	-3,143		63	25,752	19,340	-6,412		
	16	16,423	11,072	-5,351		64	34,562	23,185	-11,377		
	17	9,022	8,425	-597		Sub-total	258,833	203,064	-55,769		
	18	18,423	17,241	-1,182		V	65	7,641	7,671	30	
Sub-total	167,519	137,663	-29,856		66		25,751	24,910	-841		
III	19	2,175	3,226	1,051			67	32,017	23,007	-9,010	
	20	10,460	10,308	-152			68	17,421	32,995	15,574	
	21	32,701	26,981	-5,720			69	8,751	8,600	-151	
	22	23,352	15,914	-7,438			70	0	2,555	2,555	
	23	11,963	13,105	1,142	J		71	37,439	33,721	-3,718	
	24	2,832	700	-2,132	J		72	27,719	23,912	-3,807	
	25	3,834	2,453	-1,381			73	30,472	38,224	7,752	
	26	8,334	7,746	-588	J		74	124	510	386	R
	27	2,462	4,541	2,079			75	588	500	-88	R
	28	66,399	24,960	-41,439	J		76	0	2,000	2,000	R
	29	19,179	6,190	-12,989			77	0	400	400	R
	30	2,695	1,930	-765	J		78	0	130	130	
	31	7,189	4,555	-2,634			79	12,512	4,985	-7,527	J
	32	14,319	12,290	-2,029			80	20,629	29,624	8,995	
	33	13,797	8,132	-5,665			81	20,341	16,401	-3,940	
	34	14,440	2,640	-11,800			82	731	605	-126	
	35	4,192	4,389	197	J		83	0	0	0	
	36	39	1,000	961	R		84	1,059	1,055	-4	
	37	16,166	10,234	-5,932		85	5,183	4,840	-343		
	38	3,085	5,405	2,320	J	86	16,018	3,000	-13,018	R	
39	6,625	5,146	-1,479		87	25,335	4,000	-21,335	R		
40	16,843	14,707	-2,136	J	88	28,998	7,000	-21,998	R		
41	1,308	1,500	192	R	Sub-total	318,729	270,645	-48,084			
42	2,479	5,893	3,414	R	VI	89	23,525	22,971	-554		
43	1,913	2,400	487	R		90	18,901	27,455	8,554		
44	9,369	6,000	-3,369	R		91	21,799	20,102	-1,697		
45	15,501	5,925	-9,576	R		92	14,518	17,731	3,213		
46	3,368	1,500	-1,868	R		93	18,172	21,475	3,303		
47	6,700	4,000	-2,700	R		94	27,916	37,852	9,936		
Total	323,719	213,770	-109,949			95	21,428	30,668	9,240		
						96	19,804	21,529	1,725		
						97	32,645	31,792	-853		
						98	390	1,150	760		
						99	7,310	14,835	7,525	J	
						100	13,946	17,803	3,857		
						101	3,996	5,295	1,299		
					102	963	3,228	2,265			
					103	618	515	-103			
					104	389	9,239	8,850	R		
					105	8,832	1,500	-7,332	R		
					Sub-total	235,152	285,140	49,988			
					VII	106	14,209	13,000	-1,209	R	
				Sub-total		14,209	13,000	-1,209			
I-VII	Total	1,424,703	1,200,285	-224,418							

J: URBANISMO Estimates Adjusted by the JICA Study Team
 Based on the 1995 Population Census
 R: JICA Estimates Based on the 1995 Census for Rural Areas
 Others: URBANISMO Estimates

2. SOCIO-ECONOMIC INDICATOR BY ZONE, 1998, 2003, 2008 AND 2018

Area, Population, Population Density and Employed Persons on Residence Base, 1998
(By Planning Zone and Integrated Planning Zone)

Integrated Planning Zone	Planning Zone	Area (ha)	Population	Population Density (psn/ha)	Employed Persons on Residence Base					
					Primary Sector	Secondary Sector			Tertiary Sector	Total
						Manufac-turing	Construe./ Mining	Total		
1		784	69,044	88.1	55	2,553	995	3,548	15,722	19,325
	4	321	27,850	86.8	25	1,170	476	1,646	6,687	8,358
	14	463	41,194	89.0	30	1,383	519	1,902	9,035	10,967
2		2,887	393,445	136.3	539	23,938	4,851	28,789	88,167	117,495
	15	684	126,496	184.9	141	6,189	1,501	7,690	29,538	37,369
	16	396	35,374	89.3	0	2,025	285	2,310	7,293	9,603
	23	943	160,523	170.2	245	10,374	2,034	12,408	37,449	50,102
	24	864	71,052	82.2	153	5,350	1,031	6,381	13,887	20,421
3		3,264	88,941	27.2	69	4,025	1,756	5,781	20,699	26,549
	21	382	46,025	120.5	69	2,143	1,108	3,251	10,393	13,713
	22	361	605	1.7	0	10	0	10	152	162
	25	830	4,378	5.3	0	51	0	51	1,319	1,370
	26	324	32,638	100.7	0	1,048	648	1,696	8,221	9,917
	27	1,367	5,295	3.9	0	773	0	773	614	1,387
4		1,705	109,813	64.4	249	4,084	1,561	5,645	26,350	32,244
	5	532	73,075	137.4	124	2,911	941	3,852	16,140	20,116
	6	1,173	36,738	31.3	125	1,173	620	1,793	10,210	12,128
5		1,921	145,671	75.8	82	5,377	3,943	9,320	33,767	43,169
	7	504	69,534	138.0	54	2,199	1,623	3,822	15,776	19,652
	8	153	3,153	20.6	0	78	0	78	692	770
	9	471	49,537	105.2	28	2,482	1,513	3,995	11,776	15,799
	10	460	12,675	27.6	0	257	225	482	3,376	3,858
6		333	10,772	32.3	0	361	582	943	2,147	3,090
		1,284	195,595	152.3	144	8,055	2,761	10,816	50,674	61,634
	17	505	97,183	192.4	112	3,513	973	4,486	26,616	31,214
	18	779	98,412	126.3	32	4,542	1,788	6,330	24,058	30,420
7	28	3,021	11,254	3.7	69	1,355	104	1,459	1,521	3,049
8		4,830	77,003	15.9	223	3,693	1,679	5,372	17,353	22,948
	1	414	20,634	49.8	55	913	570	1,483	4,427	5,965
	2	783	51,809	66.2	168	2,585	920	3,505	11,856	15,529
	3	3,633	4,560	1.3	0	195	189	384	1,070	1,454
9		2,787	46,291	16.6	170	1,783	907	2,690	9,213	12,073
	12	731	39,881	54.6	170	1,622	803	2,425	8,040	10,635
	19	2,056	6,410	3.1	0	161	104	265	1,173	1,438
10	20	2,979	22,010	7.4	477	879	732	1,611	5,265	7,353
11	13	8,346	28,218	3.4	1,329	491	594	1,085	5,819	8,233
12	29	20,788	13,000	0.6	1,177	157	217	374	2,270	3,821
Managua Total		54,596	1,200,285	22.0	4,583	56,390	20,100	76,490	276,820	357,893

Area, Population, Population Density and Employed Persons on Residence Base, 2003
(By Planning Zone and Integrated Planning Zone)

Integrated Planning Zone	Planning Zone	Area (ha)	Population	Population Density (psn/ha)	No. of Employed Persons on Residence Base					Tertiary Sector	Total
					Primary Sector	Secondary Sector			Total		
						Manufac- turing	Construc./ Mining				
1		784	76,200	97.2	40	2,870	1,480	4,350	18,430	22,820	
	4	321	32,600	101.6	20	1,390	740	2,130	8,290	10,440	
	14	463	43,600	94.2	20	1,480	740	2,220	10,140	12,380	
2		2,887	401,100	138.9	450	25,590	7,360	32,950	94,470	127,870	
	15	684	127,100	185.8	120	6,310	2,240	8,550	31,400	40,070	
	16	396	35,700	90.2	0	2,060	510	2,570	7,780	10,350	
	23	943	165,500	175.5	200	11,630	2,930	14,560	40,360	55,120	
	24	864	72,800	84.3	130	5,590	1,680	7,270	14,930	22,330	
3		3,264	121,000	37.1	60	5,860	3,460	9,320	29,310	38,690	
	21	382	62,500	163.6	60	2,960	1,930	4,890	14,920	19,870	
	22	361	2,000	5.5	0	130	60	190	400	590	
	25	830	6,300	7.6	0	460	230	690	1,470	2,160	
	26	324	44,500	137.3	0	1,450	1,100	2,550	11,880	14,430	
	27	1,367	5,700	4.2	0	860	140	1,000	640	1,640	
4		1,705	113,600	66.6	200	4,300	2,190	6,490	28,960	35,650	
	5	532	74,500	140.0	100	3,020	1,340	4,360	17,420	21,880	
	6	1,173	39,100	33.3	100	1,280	850	2,130	11,540	13,770	
5		1,921	161,000	83.8	70	6,130	5,400	11,530	39,530	51,130	
	7	504	72,400	143.7	50	2,320	2,080	4,400	17,380	21,830	
	8	153	3,300	21.6	0	80	10	90	770	860	
	9	471	60,400	128.2	20	3,070	2,310	5,380	15,160	20,560	
	10	460	13,700	29.8	0	280	300	580	3,870	4,450	
	11	333	11,200	33.6	0	380	700	1,080	2,350	3,430	
6		1,284	210,700	164.1	120	8,860	4,130	12,990	57,650	70,760	
	17	505	98,500	195.0	90	3,620	1,410	5,030	28,640	33,760	
	18	779	112,200	144.0	30	5,240	2,720	7,960	29,010	37,000	
7		3,021	12,100	4.0	370	1,390	360	1,750	1,490	3,610	
8		4,830	102,300	21.2	470	5,170	2,860	8,030	24,040	32,540	
	1	414	29,100	70.3	50	1,320	1,010	2,330	6,590	8,970	
	2	783	68,200	87.1	140	3,470	1,670	5,140	16,540	21,820	
	3	3,633	5,000	1.4	280	380	180	560	910	1,750	
9		2,787	95,700	34.3	580	3,800	2,510	6,310	19,800	26,690	
	12	731	81,400	111.4	140	3,400	2,150	5,550	17,480	23,170	
	19	2,056	14,300	7.0	440	400	360	760	2,320	3,520	
10		2,979	43,100	14.5	890	2,690	2,110	4,800	10,120	15,810	
11		8,346	33,300	4.0	1,270	1,400	1,360	2,760	6,630	10,660	
12		20,788	13,500	0.6	1,380	240	380	620	2,370	4,370	
Managua Total		54,596	1,383,600	25.3	5,900	68,300	33,600	101,900	332,800	440,600	

Area, Population, Population Density and Employed Persons on Residence Base, 2008
(By Planning Zone and Integrated Planning Zone)

Integrated Planning Zone	Planning Zone	Area (ha)	Population	Population Density (psn/ha)	No. of Employed Persons on Residence Base					
					Primary Sector	Secondary Sector			Tertiary Sector	Total
						Manufacturing	Construc./Mining	Total		
1	4	784	83,400	106.4	60	3,440	2,180	5,620	21,460	27,140
	14	321	37,300	116.2	30	1,730	1,130	2,860	10,060	12,950
		463	46,100	99.6	30	1,710	1,050	2,760	11,400	14,190
2		2,887	408,900	141.6	570	28,460	10,970	39,430	101,300	141,290
	15	684	127,800	186.8	150	6,920	3,170	10,090	33,420	43,660
	16	396	36,100	91.2	0	2,280	780	3,060	8,280	11,340
	23	943	170,400	180.7	260	13,040	4,530	17,570	43,680	61,500
3	24	864	74,600	86.3	160	6,220	2,490	8,710	15,920	24,790
		3,264	149,700	45.9	70	8,230	5,740	13,970	37,650	51,690
	21	382	68,800	180.1	70	3,550	2,770	6,320	17,310	23,700
	22	361	13,800	38.2	0	950	570	1,520	2,880	4,400
	25	830	12,300	14.8	0	990	600	1,590	2,990	4,580
	26	324	48,700	150.3	0	1,730	1,550	3,280	13,830	17,110
4	27	1,367	6,100	4.5	0	1,010	250	1,260	640	1,900
		1,705	117,300	68.8	260	4,810	3,020	7,830	31,870	39,960
	5	532	75,800	142.5	130	3,340	1,850	5,190	18,800	24,120
5	6	1,173	41,500	35.4	130	1,470	1,170	2,640	13,070	15,840
		1,921	176,200	91.7	90	7,430	7,570	15,000	45,750	60,840
	7	504	75,200	149.2	60	2,630	2,740	5,370	19,140	24,570
	8	153	3,400	22.2	0	90	20	110	850	960
	9	471	71,200	151.2	30	3,950	3,510	7,460	18,770	26,260
	10	460	14,700	32.0	0	330	400	730	4,440	5,170
6	11	333	11,700	35.1	0	430	960	1,330	2,550	3,880
		1,284	225,900	175.9	160	10,430	6,080	16,510	65,460	82,130
	17	505	99,900	197.8	120	4,000	1,990	5,990	30,990	37,100
	18	779	126,000	161.7	40	6,430	4,090	10,520	34,470	45,030
7	28	3,021	13,500	4.5	470	1,540	510	2,050	1,840	4,360
8		4,830	124,300	25.7	590	7,100	4,710	11,810	30,860	43,260
	1	414	32,900	79.5	60	1,620	1,460	3,080	7,850	10,990
	2	783	73,500	93.9	180	4,070	2,410	6,480	18,820	25,480
	3	3,633	17,900	4.9	350	1,410	840	2,250	4,190	6,790
9		2,787	145,400	52.2	740	6,010	4,840	10,850	31,770	43,360
	12	731	109,800	150.2	180	4,990	3,770	8,760	24,920	33,860
	19	2,056	35,600	17.3	560	1,020	1,070	2,090	6,850	9,500
10	20	2,979	75,200	25.2	1,130	4,940	4,540	9,480	19,280	29,890
11	13	8,346	40,000	4.8	1,610	1,630	1,820	3,450	8,820	13,880
12	29	20,788	14,000	0.7	1,750	180	320	500	2,650	4,900
Managua Total		54,596	1,573,800	28.8	7,500	84,200	52,300	136,500	398,710	542,700

Area, Population, Population Density and Employed Persons on Residence Base, 2018
(By Planning Zone and Integrated Planning Zone)

Integrated Planning Zone	Planning Zone	Area (ha)	Population	Population Density (psn/ha)	No. of Employed Persons on Residence Base					
					Primary Sector	Secondary Sector			Tertiary Sector	Total
						Manufac-turing	Construc./ Mining	Total		
1	4	784	83,400	106.4	70	4,450	3,230	7,680	24,930	32,680
	14	321	37,300	116.2	30	2,240	1,670	3,910	11,650	15,590
		463	46,100	99.6	40	2,210	1,560	3,770	13,280	17,090
2		2,887	408,900	141.6	630	35,670	17,530	53,200	116,300	170,130
	15	684	127,800	186.8	170	8,940	4,830	13,770	38,630	52,570
	16	396	36,100	91.2	0	2,950	1,230	4,180	9,470	13,650
	23	943	170,400	180.7	280	15,750	7,610	23,360	50,420	74,060
	24	864	74,600	86.3	180	8,030	3,860	11,890	17,780	29,850
3		3,264	212,700	65.2	80	14,940	11,180	26,120	60,530	86,730
	21	382	68,800	180.1	80	4,580	4,050	8,630	19,830	28,540
	22	361	54,200	150.1	0	4,370	2,620	6,990	13,220	20,210
	25	830	34,200	41.2	0	3,220	1,940	5,160	9,740	14,900
	26	324	48,700	150.3	0	2,230	2,250	4,480	16,120	20,600
	27	1,367	6,800	5.0	0	540	320	860	1,620	2,480
4		1,705	117,300	68.8	300	6,220	4,470	10,690	37,140	48,130
	5	532	75,800	142.5	150	4,320	2,770	7,090	21,810	29,050
	6	1,173	41,500	35.4	150	1,900	1,700	3,600	15,330	19,080
5		1,921	176,200	91.7	90	9,610	10,850	20,460	52,720	73,270
	7	504	75,200	149.2	60	3,400	3,930	7,330	22,200	29,590
	8	153	3,400	22.2	0	120	30	150	1,010	1,160
	9	471	71,200	151.2	30	5,100	5,080	10,180	21,410	31,620
	10	460	14,700	32.0	0	430	560	990	5,240	6,230
	11	333	11,700	35.1	0	560	1,250	1,810	2,860	4,670
6		1,284	225,900	175.9	170	13,470	9,070	22,540	76,200	98,910
	17	505	99,900	197.8	130	5,160	3,020	8,180	36,370	44,680
	18	779	126,000	161.7	40	8,310	6,050	14,360	39,830	54,230
7	28	3,021	140,400	46.5	710	11,300	6,790	18,090	34,170	52,970
8		4,830	206,100	42.7	790	16,890	11,440	28,330	59,070	88,190
	1	414	32,900	79.5	60	2,090	2,120	4,210	8,970	13,240
	2	783	73,500	93.9	200	5,260	3,590	8,850	21,630	30,680
	3	3,633	99,700	27.4	530	9,540	5,730	15,270	28,470	44,270
9		2,787	146,400	52.5	1,080	7,660	6,770	14,430	36,690	52,200
	12	731	109,800	150.2	200	6,450	5,510	11,960	28,610	40,770
	19	2,056	36,600	17.8	880	1,210	1,260	2,470	8,080	11,430
10	20	2,979	132,300	44.4	1,760	10,270	9,430	19,700	40,080	61,540
11	13	8,346	99,200	11.9	2,470	5,020	5,610	10,630	27,200	40,300
12	29	20,788	15,000	0.7	2,650	200	430	630	2,870	6,150
Managua Total		54,596	1,963,800	36.0	10,800	135,700	96,800	232,500	567,900	811,200

Employed Persons on Workplace Base and Students, 1998
(By Planning Zone and Integrated Planning Zone)

Integrated Planning Zone	Planning Zone	Employed Persons on Workplace Base						Students	
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manufac-turing	Construc./ Mining	Total				
1		27	2,856	1,780	4,636	50,874	55,537	21,622	20,872
	4	27	1,080	586	1,666	10,053	11,746	7,947	4,229
	14	0	1,776	1,194	2,970	40,821	43,791	13,675	16,643
2		120	21,538	5,665	27,203	69,102	96,425	138,969	136,433
	15	35	7,346	2,816	10,162	35,353	45,550	41,708	47,855
	16	0	7,482	743	8,225	6,483	14,708	11,273	7,713
	23	31	3,989	1,240	5,229	19,893	25,153	62,285	57,693
	24	54	2,721	866	3,587	7,373	11,014	23,703	23,172
3		40	15,639	1,320	16,959	21,300	38,299	31,637	26,422
	21	0	922	317	1,239	3,423	4,662	16,520	13,535
	22	0	0	0	0	39	39	168	364
	25	0	12,564	76	12,640	4,390	17,030	1,507	1,446
	26	40	767	927	1,694	11,953	13,687	11,390	9,049
	27	0	1,386	0	1,386	1,495	2,881	2,052	2,028
4		229	5,133	3,018	8,151	31,712	40,092	37,020	40,470
	5	95	2,476	1,553	4,029	19,825	23,949	22,786	24,465
	6	134	2,657	1,465	4,122	11,887	16,143	14,234	16,005
5		165	4,550	4,346	8,896	55,457	64,518	48,973	77,256
	7	94	2,617	1,643	4,260	26,308	30,662	24,141	23,202
	8	0	148	374	522	3,917	4,439	793	11,422
	9	0	1,146	1,124	2,270	8,421	10,691	16,575	23,059
	10	36	408	279	687	6,901	7,624	4,334	3,459
	11	35	231	926	1,157	9,910	11,102	3,130	16,114
6		62	5,906	2,633	8,539	46,446	55,047	68,351	56,592
	17	36	4,070	1,352	5,422	30,849	36,307	33,686	30,454
	18	26	1,836	1,281	3,117	15,597	18,740	34,665	26,138
7	28	77	703	87	790	440	1,307	3,535	3,207
8		50	1,579	436	2,015	8,115	10,180	26,444	23,767
	1	0	173	281	454	1,737	2,191	5,902	5,516
	2	50	1,406	155	1,561	6,088	7,699	17,963	18,123
	3	0	0	0	0	290	290	2,579	128
9		92	362	504	866	2,519	3,477	14,053	7,122
	12	23	304	235	539	1,907	2,469	11,820	6,089
	19	69	58	269	327	612	1,008	2,233	1,033
10	20	569	567	1,008	1,575	5,818	7,962	7,195	6,750
11	13	1,693	665	814	1,479	5,420	8,592	8,849	12,076
12	29	1,242	0	88	88	706	2,036	4,094	2,297
Managua Total		4,366	59,498	21,699	81,197	297,909	383,472	410,742	413,264

Employed Persons on Workplace Base and Students, 2003
(By Planning Zone and Integrated Planning Zone)

Integrated Planning Zone	Planning Zone	No. of Employed Persons on Workplace Base						No. of Students	
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manufacturing	Construc./Mining	Total				
1	4	40	3,250	2,330	5,580	55,670	61,290	25,200	24,330
	14	20	1,320	990	2,310	18,400	20,730	9,860	6,510
		20	1,930	1,340	3,270	37,270	40,560	15,340	17,820
2		340	25,490	6,120	31,610	75,870	107,820	150,310	137,050
	15	100	7,720	2,850	10,570	39,620	50,290	44,430	46,900
	16	0	9,700	740	10,440	6,600	17,040	12,060	6,940
	23	150	4,790	1,630	6,420	22,250	28,820	68,080	61,180
	24	90	3,280	900	4,180	7,400	11,670	25,740	22,030
3		50	18,030	3,920	21,950	22,560	44,560	45,470	43,570
	21	50	1,630	1,230	2,860	4,120	7,030	23,780	24,010
	22	0	110	550	660	230	890	590	590
	25	0	13,700	570	14,270	4,610	18,880	2,300	2,260
	26	0	1,090	1,540	2,630	12,100	14,730	16,460	14,730
	27	0	1,500	30	1,530	1,500	3,030	2,340	1,980
4		160	5,640	3,190	8,830	31,950	40,940	40,680	37,920
	5	80	2,700	1,590	4,290	19,900	24,270	24,620	22,980
	6	80	2,940	1,600	4,540	12,050	16,670	16,060	14,940
5		50	5,370	5,510	10,880	83,080	94,010	57,370	97,520
	7	30	3,090	2,080	5,170	35,740	40,940	26,650	22,580
	8	0	170	470	640	4,550	5,190	880	17,420
	9	20	1,360	1,430	2,790	16,570	19,380	21,420	29,720
	10	0	480	360	840	13,830	14,670	4,970	3,560
	11	0	270	1,170	1,440	12,390	13,830	3,450	24,240
6		90	6,770	3,870	10,640	53,710	64,440	78,080	58,280
	17	70	4,140	1,400	5,540	33,170	38,780	36,190	27,250
	18	20	2,630	2,470	5,100	20,540	25,660	41,890	31,030
7	28	380	900	150	1,050	530	1,960	4,020	3,910
8		410	2,330	1,810	4,140	10,750	15,300	35,570	33,830
	1	30	410	770	1,180	1,910	3,120	8,830	8,580
	2	100	1,920	1,040	2,960	8,500	11,560	25,070	23,580
	3	280	0	0	0	340	620	1,670	1,670
9		570	2,110	4,540	6,650	9,540	16,760	30,860	29,690
	12	100	1,600	3,090	4,690	7,200	11,990	25,580	24,570
	19	470	510	1,450	1,960	2,340	4,770	5,280	5,120
10	20	930	1,300	3,330	4,630	7,610	13,170	14,940	17,290
11	13	1,300	880	1,400	2,280	6,190	9,770	11,070	15,350
12	29	1,380	30	130	160	840	2,380	4,530	2,560
Managua Total		5,700	72,100	36,300	108,400	358,300	472,400	498,100	501,300

Employed Persons on Workplace Base and Students, 2008
(By Planning Zone and Integrated Planning Zone)

Integrated Planning Zone	Planning Zone	No. of Employed Persons on Workplace Base						No. of Students	
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manufacturing	Construc./Mining	Total				
1	4	50	3,440	3,160	6,600	62,030	68,680	28,790	27,520
	14	20	1,480	1,510	2,990	27,270	30,280	11,810	7,800
2		30	1,960	1,650	3,610	34,760	38,400	16,980	19,720
		420	27,870	7,210	35,080	84,480	119,980	160,500	146,260
	15	120	7,810	3,230	11,040	45,000	56,160	46,760	49,360
	16	0	11,120	820	11,940	6,620	18,560	12,760	7,340
	23	190	5,300	2,210	7,510	25,330	33,030	73,370	65,930
3	24	110	3,640	950	4,590	7,530	12,230	27,610	23,630
		60	19,290	7,060	26,350	24,440	50,850	57,820	55,610
	21	60	2,230	2,290	4,520	4,930	9,510	27,400	27,660
	22	0	210	1,160	1,370	420	1,790	4,250	4,240
	25	0	13,990	1,210	15,200	4,960	20,160	4,700	4,620
	26	0	1,340	2,330	3,670	12,590	16,260	18,850	16,870
4		0	1,520	70	1,590	1,540	3,130	2,620	2,220
		200	5,790	3,750	9,540	33,090	42,830	44,060	41,070
	5	100	2,750	1,820	4,570	20,330	25,000	26,220	24,470
5	6	100	3,040	1,930	4,970	12,760	17,830	17,840	16,600
		60	5,850	7,340	13,190	113,020	126,270	65,700	109,970
	7	40	3,370	2,770	6,140	46,160	52,340	28,970	24,550
	8	0	190	630	820	5,300	6,120	950	18,810
	9	20	1,480	1,910	3,390	25,190	28,600	26,430	36,670
	10	0	520	480	1,000	21,150	22,150	5,580	4,000
6	11	0	290	1,550	1,840	15,220	17,060	3,770	25,940
		120	7,210	5,570	12,780	62,750	75,650	87,660	64,310
	17	90	4,190	1,610	5,800	36,700	42,590	38,420	28,930
7	18	30	3,020	3,960	6,980	26,050	33,060	49,240	35,380
		480	1,050	230	1,280	630	2,390	4,700	4,570
8		530	11,510	4,590	16,100	14,410	31,040	44,990	43,010
	1	40	620	1,340	1,960	2,130	4,130	10,450	10,150
	2	130	2,310	2,040	4,350	11,150	15,630	28,280	26,600
9	3	360	8,580	1,210	9,790	1,130	11,280	6,260	6,260
		720	3,730	9,110	12,840	16,840	30,400	49,870	48,020
	12	130	2,800	6,310	9,110	12,700	21,940	36,110	34,680
	19	590	930	2,800	3,730	4,140	8,460	13,760	13,340
10	20	1,180	1,960	6,050	8,010	9,620	18,810	27,280	31,580
11	13	1,640	1,050	2,150	3,200	7,130	11,970	13,920	19,300
12	29	1,740	50	180	230	960	2,930	4,910	2,780
Managua Total		7,200	88,800	56,400	145,200	429,400	581,800	590,200	594,000

Employed Persons on Workplace Base and Students, 2018
(By Planning Zone and Integrated Planning Zone)

Integrated Planning Zone	Planning Zone	No. of Employed Persons on Workplace Base						No. of Students	
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manufacturing	Construc./ Mining	Total				
1	4	70	3,880	3,340	7,220	96,670	103,960	31,530	30,130
	14	30	1,750	1,610	3,360	38,750	42,140	12,930	8,540
		40	2,130	1,730	3,860	57,920	61,820	18,600	21,590
2		600	32,050	7,340	39,390	94,710	134,700	175,780	159,090
	15	160	8,090	3,250	11,340	51,430	62,930	51,210	54,060
	16	0	13,550	820	14,370	6,710	21,080	13,980	8,040
	23	270	6,160	2,310	8,470	28,940	37,680	80,350	72,200
	24	170	4,250	960	5,210	7,630	13,010	30,240	24,790
3		80	27,000	14,740	41,740	34,350	76,170	86,460	82,690
	21	80	3,540	2,790	6,330	6,430	12,840	30,010	30,290
	22	0	2,810	5,810	8,620	5,070	13,690	18,290	18,260
	25	0	16,980	3,310	20,290	8,030	28,320	14,310	14,050
	26	0	1,910	2,670	4,580	13,210	17,790	20,650	17,380
	27	0	1,760	160	1,920	1,610	3,530	3,200	2,710
4		280	6,230	3,830	10,060	34,030	44,370	48,260	43,890
	5	140	2,930	1,850	4,780	20,670	25,590	28,720	25,710
	6	140	3,300	1,980	5,280	13,360	18,780	19,540	18,180
5		90	6,730	7,660	14,390	141,510	155,990	71,960	118,630
	7	60	3,870	2,890	6,760	53,480	60,300	31,730	25,790
	8	0	220	660	880	6,220	7,100	1,040	21,210
	9	30	1,700	1,990	3,690	32,390	36,110	28,950	38,860
	10	0	600	500	1,100	30,660	31,760	6,110	4,380
	11	0	340	1,620	1,960	18,760	20,720	4,130	28,390
6		160	8,060	5,920	13,980	73,640	87,780	96,010	70,420
	17	120	4,260	1,650	5,910	40,610	46,640	42,080	31,690
	18	40	3,800	4,270	8,070	33,030	41,140	53,930	38,730
7	28	680	6,600	14,090	20,690	19,230	40,600	53,590	52,140
8		760	34,040	14,440	48,480	43,370	92,610	80,570	82,670
	1	60	1,050	1,610	2,660	2,520	5,240	11,440	11,110
	2	190	3,220	2,510	5,730	16,200	22,120	30,970	28,020
9		510	29,770	10,320	40,090	24,650	65,250	38,160	43,540
	12	1,030	7,490	11,360	18,850	33,420	53,300	55,040	53,000
	19	190	5,280	7,820	13,100	23,490	36,780	39,550	37,990
10		840	2,210	3,540	5,750	9,930	16,520	15,490	15,010
	20	1,680	6,220	12,970	19,190	22,960	43,830	52,560	57,080
	11	2,360	4,660	8,510	13,170	16,910	32,440	37,800	47,410
12	29	2,510	140	300	440	1,300	4,250	5,740	3,250
Managua Total		10,300	143,100	104,500	247,600	612,100	870,000	795,300	800,400

Number of Vivienda, Average Monthly Income and Car Owning Ratio, 1998, 2003
(By Planning Zone and Integrated Planning Zone)

Integrated Planning Zone	Planning Zone	1998			2003		
		Number of Vivienda	Average Monthly Income	Car Owning Ratio	Number of Vivienda	Average Monthly Income	Car Owning Ratio
1	4	11,778	1,924.4	12.8	12,900	2,061.8	18.2
		4,602	2,133.4	15.9	5,400	2,273.6	19.7
	14	7,176	1,781.4	10.8	7,500	1,909.4	17.2
2		61,101	2,448.2	19.3	61,900	2,585.0	21.9
	15	19,472	2,775.9	24.9	19,500	2,926.8	24.7
	16	5,801	1,857.4	7.7	5,800	1,954.7	17.5
	23	25,202	2,437.5	19.3	25,800	2,566.9	21.8
	24	10,626	2,224.7	15.2	10,800	2,349.2	20.2
3		14,021	1,973.2	11.9	18,800	2,131.3	18.7
	21	7,172	1,797.2	10.6	9,600	1,939.8	17.4
	22	121	1,884.0	13.2	400	1,986.2	17.7
	25	714	1,843.8	17.6	1,000	1,943.8	17.4
	26	4,956	2,361.4	15.5	6,700	2,522.5	21.5
	27	1,058	1,558.9	0.0	1,100	1,643.4	15.6
4		17,828	2,531.5	23.8	18,300	2,642.3	22.4
	5	11,001	2,192.4	19.9	11,100	2,304.6	19.9
	6	6,827	3,000.3	30.2	7,200	3,163.0	26.7
5		24,386	2,730.7	22.4	26,700	2,905.8	24.5
	7	11,252	2,372.6	18.7	11,700	2,506.9	21.3
	8	519	2,084.2	24.1	600	3,689.8	31.5
	9	8,305	2,398.0	21.6	10,000	2,576.9	21.9
	10	2,401	2,388.7	22.0	2,500	2,526.2	21.5
	11	1,909	6,852.1	47.3	1,900	7,345.9	70.1
6		31,064	2,583.5	23.5	33,300	3,054.7	25.7
	17	15,055	3,112.4	30.6	15,100	4,199.6	36.6
	18	16,009	2,082.7	16.7	18,200	2,104.8	18.5
7	28	1,696	1,684.6	15.7	2,000	1,905.9	17.2
8		11,775	1,841.3	14.2	15,600	2,154.1	18.8
	1	3,037	1,940.1	16.0	4,300	2,557.6	21.7
	2	7,937	1,878.4	11.8	10,400	1,980.4	17.7
	3	801	1,199.4	30.0	900	2,234.7	19.4
9		7,682	2,160.8	16.1	15,800	2,761.2	23.3
	12	6,608	2,363.8	15.9	13,400	2,491.3	21.2
	19	1,074	1,011.3	17.3	2,400	4,268.0	37.3
10	20	3,822	6,247.9	46.0	7,900	8,352.7	78.6
11	13	4,720	2,507.5	22.5	6,000	3,851.9	33.1
12	29	2,167	2,474.5	15.7	2,200	1,792.2	16.5
Managua Total		192,040	2,468.2	19.9	221,400	2,838.4	23.9

Number of Vivienda, Average Montly Income and Car Owning Ratio 2008 & 2018
(By Planning Zone and Integrated Planning Zone)

Integrated Planning Zone	Planning Zone	2008			2018		
		Number of Vivienda	Average Monthly Income	Car Owning Ratio	Number of Vivienda	Average Monthly Income	Car Owning Ratio
1	1	14,000	2,240.2	19.4	14,000	3,163.0	26.7
	4	6,100	2,460.5	21.0	6,100	3,487.8	29.6
	14	7,900	2,070.1	18.3	7,900	2,912.3	24.5
2		62,500	2,858.7	24.1	62,500	4,007.3	34.6
	15	19,400	3,238.0	27.3	19,400	4,538.0	40.2
	16	5,800	2,161.6	18.9	5,800	3,036.5	25.6
	23	26,300	2,843.4	24.0	26,300	3,984.9	34.4
3	24	11,000	2,593.9	22.0	11,000	3,637.0	31.0
		23,900	2,297.6	19.8	35,300	3,169.4	26.7
	21	10,500	2,098.2	18.4	10,500	2,938.2	24.8
	22	2,900	2,196.3	19.1	10,700	3,080.0	25.9
	25	2,000	2,149.5	18.8	5,500	3,014.3	25.4
4	26	7,300	2,744.0	23.2	7,300	3,860.5	33.2
	27	1,200	1,817.3	16.6	1,300	2,548.5	21.7
		18,800	2,936.9	24.7	18,800	4,118.1	35.8
	5	11,200	2,554.9	21.7	11,200	3,584.3	30.5
5	6	7,600	3,499.7	29.7	7,600	4,904.9	44.2
		29,000	3,170.3	26.7	29,000	4,441.1	39.1
	7	12,000	2,762.0	23.3	12,000	3,878.8	33.3
	8	600	4,080.3	35.4	600	5,721.9	53.2
	9	11,700	2,794.9	23.6	11,700	3,920.3	33.8
	10	2,700	2,784.7	23.5	2,700	3,905.1	33.6
6	11	2,000	8,063.6	76.4	2,000	11,201.9	92.9
		35,400	3,399.7	28.8	35,400	4,750.7	42.5
	17	15,200	4,696.0	41.9	15,200	6,539.3	62.1
7	18	20,200	2,424.2	20.7	20,200	3,404.8	28.8
	28	2,200	2,109.9	18.5	20,800	2,754.0	23.3
8		19,200	2,477.9	21.1	33,100	3,746.3	32.0
	1	4,800	2,914.5	24.6	4,800	4,087.0	35.4
	2	11,100	2,189.9	19.1	11,100	3,070.8	25.9
9	3	3,300	2,811.4	23.7	17,200	4,087.0	35.4
		23,700	3,326.9	28.1	23,900	4,669.0	41.6
	12	17,900	2,755.0	23.3	17,900	3,864.3	33.2
	19	5,800	5,092.1	46.2	6,000	7,069.5	67.5
10	20	13,700	8,824.7	81.9	22,600	10,214.3	89.4
11	13	7,100	4,422.7	38.9	16,300	6,539.3	62.1
12	29	2,300	1,981.8	17.7	2,500	2,779.2	23.5
Managua Total		251,800	3,258.0	27.5	314,200	4,566.2	40.5

Area, Population, Population Density and Employed Persons on Residence Base, 1998
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Area (ha)	Population	Population Density (psn/ha)	Employed Persons on Residence Base					
					Primary Sector	Secondary Sector			Tertiary Sector	Total
						Manufacturing	Construc./Mining	Total		
1		414	20,634	49.8	55	913	570	1,483	4,427	5,965
	1	152	760	5.0						
	2	262	19874	75.9						
2		783	51,809	66.2						
	3	334	1,350	4.0						
	4	449	50,459	112.4						
3		3,633	4,560	1.3	0	195	189	384	1,070	1,454
	5	336	0	0.0						
	6	322	0	0.0						
	7	309	2,060	6.7						
	8	2,666	2,500	0.9						
		321	27,850	86.8	25	1,170	476	1,646	6,687	8,358
	9	73	5,642	77.3						
	10	122	8,582	70.3						
	11	126	13,626	108.1						
	5	532	73,075	137.4	124	2,911	941	3,852	16,140	20,116
	12	232	24,727	106.6						
	13	145	19,052	131.4						
	14	80	11,612	145.2						
	15	75	17,684	235.8						
	6	1,173	36,738	31.3	125	1,173	620	1,793	10,210	12,128
	16	501	11,072	22.1						
	17	542	8,425	15.5						
	18	130	17,241	132.6						
7		504	69,534	138.0	54	2,199	1,623	3,822	15,776	19,652
	19	56	3,226	57.6						
	20	92	10,308	112.0						
	21	162	26,981	166.5						
	22	110	15,914	144.7						
	23	84	13,105	156.0						
8		153	3,153	20.6	0	78	0	78	692	770
	24	90	700	7.8						
	25	63	2,453	38.9						
9		471	49,537	105.2	28	2,482	1,513	3,995	11,776	15,799
	26	141	7,746	54.9						
	27	79	4,541	57.5						
	28	128	24,960	195.0						
	32	123	12,290	99.9						
10		460	12,675	27.6	0	257	225	482	3,376	3,858
	29	147	6,190	42.1						
	30	50	1,930	38.6						
	31	263	4,555	17.3						
11		333	10,772	32.3	0	361	582	943	2,147	3,090
	33	168	8,132	48.4						
	34	165	2,640	16.0						
12		731	39,881	54.6	170	1,622	803	2,425	8,040	10,635
	35	154	4,389	28.5						
	37	189	10,234	54.1						
	38	62	5,405	87.2						
	39	101	5,146	51.0						
	40	225	14,707	65.4						
13		8,346	28,218	3.4	1,329	491	594	1,085	5,819	8,233
	36	166	1,000	6.0						
	41	217	1,500	6.9						
	42	343	5,893	17.2						
	43	368	2,400	6.5						
	44	616	6,000	9.7						
	45	2,766	5,925	2.1						
	46	1,369	1,500	1.1						
	47	2,501	4,000	1.6						
	14	463	41,194	89.0	30	1,383	519	1,902	9,035	10,967
	48	69	434	6.3						
	49	65	7,341	112.9						
	50	76	6,460	85.0						
	51	103	9,560	92.8						
	52	61	5,841	95.8						
	53	89	11,558	129.9						

Area, Population, Population Density and Employed Persons on Residence Base, 1998
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Area (ha)	Population	Population Density (psn/ha)	Employed Persons on Residence Base					
					Primary Sector	Secondary Sector			Tertiary Sector	Total
						Manufacturing	Construc./Mining	Total		
15		684	126,496	184.9	141	6,189	1,501	7,690	29,538	37,369
	54	59	16,952	287.3						
	55	55	7,043	128.1						
	56	80	9,284	116.1						
	59	70	4,449	63.6						
	60	78	20,396	261.5						
	61	74	21,728	293.6						
	62	123	23,459	190.7						
	64	145	23,185	159.9						
16		396	35,374	89.3	0	2,025	285	2,310	7,293	9,603
	57	63	3,000	47.6						
	58	90	13,034	144.8						
	63	243	19,340	79.6						
17		505	97,183	192.4	112	3,513	973	4,486	26,616	31,214
	65	74	7,671	103.7						
	66	84	24,910	296.5						
	67	131	23,007	175.6						
	68	112	32,995	294.6						
	69	104	8,600	82.7						
18		779	98,412	126.3	32	4,542	1,788	6,330	24,058	30,420
	70	215	2555	11.9						
	71	271	33721	124.4						
	72	130	23912	183.9						
	73	163	38224	234.5						
19		2,056	6,410	3.1	0	161	104	265	1,173	1,438
	74	108	510	4.7						
	75	160	500	3.1						
	76	213	2,000	9.4						
	77	149	400	2.7						
	86	1,426	3,000	2.1						
20		2,979	22,010	7.4	477	879	732	1,611	5,265	7,353
	78	121	130	1.1						
	79	165	4,985	30.2						
	83	356	0	0.0						
	84	222	1,055	4.8						
	85	367	4,840	13.2						
	87	996	4,000	4.0						
	88	752	7,000	9.3						
21		382	46,025	120.5	69	2,143	1,108	3,251	10,393	13,713
	80	127	29,624	233.3						
	81	255	16,401	64.3						
22	82	361	605	1.7	0	10	0	10	152	162
23		943	160,523	170.2	245	10,374	2,034	12,408	37,449	50,102
	89	133	22,971	172.7						
	90	98	27,455	280.2						
	91	142	20,102	141.6						
	93	243	21,475	88.4						
	94	222	37,852	170.5						
	95	105	30,668	292.1						
24		864	71,052	82.2	153	5,350	1,031	6,381	13,887	20,421
	92	249	17,731	71.2						
	96	324	21,529	66.4						
	97	291	31,792	109.3						
25		830	4,378	5.3	0	51	0	51	1,319	1,370
	98	614	1,150	1.9						
	102	216	3,228	14.9						
26		324	32,638	100.7						
	99	167	14,835	88.8						
	100	157	17,803	113.4						
27	101	1,367	5,295	3.9	0	773	0	773	614	1,387
28		3,021	11,254	3.7	69	1,355	104	1,459	1,521	3,049
	103	309	515	1.7						
	104	1,633	9,239	5.7						
	105	1,079	1,500	1.4						
29	106	20,788	13,000	0.6	1,177	157	217	374	2,270	3,821
Managua Total		54,596	1,200,285	22.0	4,583	56,390	20,100	76,490	276,820	357,893

Area, Population, Population Density and Employed Persons on Residence Base, 2003
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Area (ha)	Population	Population Density (psn/ha)	Employed Persons on Residence Base					
					Primary Sector	Secondary Sector			Tertiary Sector	Total
						Manufac-turing	Construc./ Mining	Total		
1		414	29,100	70.3	50	1,320	1,010	2,330	6,590	8,970
	1	152	1,200	7.9	0	60	40	100	270	370
	2	262	27,900	106.5	50	1,260	970	2,230	6,320	8,600
2		783	68,200	87.1	140	3,470	1,670	5,140	16,540	21,820
	3	334	1,700	5.1	20	90	40	130	400	550
	4	449	66,500	148.1	120	3,380	1,630	5,010	16,140	21,270
3		3,633	5,000	1.4	280	380	180	560	910	1,750
	5	336	0	0.0	0	0	0	0	0	0
	6	322	0	0.0	0	0	0	0	0	0
4		321	32,600	101.6	20	1,390	740	2,130	8,290	10,440
	9	73	5,700	78.1	20	240	130	370	1,430	1,820
	10	122	11,300	92.6	0	490	260	750	2,870	3,620
5		532	74,500	140.0	100	3,020	1,340	4,360	17,420	21,880
	12	232	25,200	108.6	40	1,040	460	1,500	5,860	7,400
	13	145	19,700	135.9	60	810	370	1,180	4,540	5,780
6		1,173	39,100	33.3	100	1,280	850	2,130	11,540	13,770
	16	501	11,800	23.6	100	400	270	670	3,390	4,160
	17	542	9,600	17.7	0	320	220	540	2,850	3,390
7		504	72,400	143.7	50	2,320	2,080	4,400	17,380	21,830
	19	56	3,300	58.9	0	110	90	200	800	1,000
	20	92	10,700	116.3	0	350	300	650	2,580	3,230
8		153	3,300	21.6	0	80	10	90	770	860
	24	90	800	8.9	0	10	10	20	190	210
	25	63	2,500	39.7	0	70	0	70	580	650
9		471	60,400	128.2	20	3,070	2,310	5,380	15,160	20,560
	26	141	14,500	102.8	20	740	550	1,290	3,620	4,930
	27	79	5,200	65.8	0	260	200	460	1,310	1,770
10		460	13,700	29.8	0	280	300	580	3,870	4,450
	29	147	6,800	46.3	0	130	160	290	1,910	2,200
	30	50	2,000	40.0	0	50	40	90	570	660
11		333	11,200	33.6	0	380	700	1,080	2,350	3,430
	33	168	8,200	48.8	0	280	510	790	1,710	2,500
	34	165	3,000	18.2	0	100	190	290	640	930
12		731	81,400	111.4	140	3,400	2,150	5,550	17,480	23,170
	35	154	15,000	97.4	20	640	400	1,040	3,210	4,270
	37	189	21,000	111.1	40	890	560	1,450	4,490	5,980
13		8,346	33,300	4.0	1,270	1,400	1,360	2,760	6,630	10,660
	36	166	4,000	24.1	0	200	90	290	990	1,280
	41	217	1,700	7.8	0	50	70	120	420	540
14		463	43,600	94.2	20	1,480	740	2,220	10,140	12,380
	42	343	6,200	18.1	0	180	270	450	1,540	1,990
	43	368	2,700	7.3	0	80	120	200	660	860
14		463	43,600	94.2	20	1,480	740	2,220	10,140	12,380
	44	616	6,700	10.9	0	660	150	810	1,330	2,140
	45	2,766	6,200	2.2	630	120	350	470	900	2,000
14		463	43,600	94.2	20	1,480	740	2,220	10,140	12,380
	46	1,369	1,600	1.2	180	30	80	110	220	510
	47	2,501	4,200	1.7	460	80	230	310	570	1,340
14		463	43,600	94.2	20	1,480	740	2,220	10,140	12,380
	48	69	0	0.0	0	0	0	0	0	0
	49	65	6,100	93.8	0	170	150	320	1,410	1,730
14		463	43,600	94.2	20	1,480	740	2,220	10,140	12,380
	50	76	5,300	69.7	0	150	130	280	1,230	1,510
	51	103	14,600	141.7	0	570	160	730	3,410	4,140
14		463	43,600	94.2	20	1,480	740	2,220	10,140	12,380
	52	61	6,000	98.4	20	200	110	310	1,380	1,710
	53	89	11,600	130.3	0	390	190	580	2,710	3,290

Area, Population, Population Density and Employed Persons on Residence Base, 2003
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Area (ha)	Population	Population Density (psn/ha)	Employed Persons on Residence Base					
					Primary Sector	Secondary Sector			Tertiary Sector	Total
						Manufac-turing	Construc./Mining	Total		
15		684	127,100	185.8	120	6,310	2,240	8,550	31,400	40,070
	54	59	17,400	294.9	0	870	310	1,180	4,310	5,490
	55	55	7,100	129.1	60	350	130	480	1,700	2,240
	56	80	9,400	117.5	0	470	170	640	2,320	2,960
	59	70	4,700	67.1	0	240	90	330	1,160	1,490
	60	78	20,300	260.3	30	1,020	360	1,380	4,990	6,400
	61	74	21,600	291.9	0	1,100	360	1,460	5,340	6,800
	62	123	23,400	190.2	0	1,150	430	1,580	5,800	7,380
	64	145	23,200	160.0	30	1,110	390	1,500	5,780	7,310
16		396	35,700	90.2	0	2,060	510	2,570	7,780	10,350
	57	63	3,100	49.2	0	180	40	220	670	890
	58	90	13,200	146.7	0	760	190	950	2,880	3,830
	63	243	19,400	79.8	0	1,120	280	1,400	4,230	5,630
17		505	98,500	195.0	90	3,620	1,410	5,030	28,640	33,760
	65	74	7,900	106.8	30	300	110	410	2,270	2,710
	66	84	25,000	297.6	0	930	370	1,300	7,270	8,570
	67	131	23,300	177.9	0	870	340	1,210	6,780	7,990
	68	112	33,300	297.3	30	1,230	490	1,720	9,660	11,410
	69	104	9,000	86.5	30	290	100	390	2,660	3,080
18		779	112,200	144.0	30	5,240	2,720	7,960	29,010	37,000
	70	215	12,000	55.8	0	560	290	850	3,110	3,960
	71	271	37,200	137.3	30	1,750	900	2,650	9,570	12,250
	72	130	24,300	186.9	0	1,130	600	1,730	6,290	8,020
	73	163	38,700	237.4	0	1,800	930	2,730	10,040	12,770
19		2,056	14,300	7.0	440	400	360	760	2,320	3,520
	74	108	3,200	29.6	0	90	70	160	580	740
	75	160	4,600	28.8	0	170	60	230	830	1,060
	76	213	2,500	11.7	0	30	20	50	530	580
	77	149	500	3.4	0	20	20	40	80	120
	86	1,426	3,500	2.5	440	90	190	280	300	1,020
20		2,979	43,100	14.5	890	2,690	2,110	4,800	10,120	15,810
	78	121	3,400	28.1	0	260	50	310	910	1,220
	79	165	7,200	43.6	0	380	290	670	1,920	2,590
	83	356	1,000	2.8	0	150	10	160	230	390
	84	222	6,600	29.7	0	490	120	610	1,760	2,370
	85	367	12,600	34.3	0	830	330	1,160	3,360	4,520
	87	996	4,500	4.5	350	200	310	510	870	1,730
	88	752	7,800	10.4	540	380	500	880	1,570	2,990
21		382	62,500	163.6	60	2,960	1,930	4,890	14,920	19,870
	80	127	29,800	234.6	60	1,430	920	2,350	7,060	9,470
	81	255	32,700	128.2	0	1,530	1,010	2,540	7,860	10,400
22		82	361	2,000	5.5	0	130	60	190	400
23		943	165,500	175.5	200	11,630	2,930	14,560	40,360	55,120
	89	133	23,500	176.7	30	1,650	420	2,070	5,730	7,830
	90	98	27,400	279.6	0	1,950	490	2,440	6,690	9,130
	91	142	20,700	145.8	60	1,440	370	1,810	5,030	6,900
	93	243	21,700	89.3	20	1,510	390	1,900	5,310	7,230
	94	222	41,100	185.1	60	2,930	740	3,670	9,950	13,680
	95	105	31,100	296.2	30	2,150	520	2,670	7,650	10,350
24		864	72,800	84.3	130	5,590	1,680	7,270	14,930	22,330
	92	249	18,800	75.5	20	1,460	440	1,900	3,840	5,760
	96	324	22,100	68.2	40	1,710	510	2,220	4,510	6,770
	97	291	31,900	109.6	60	2,420	730	3,150	6,590	9,800
25		830	6,300	7.6	0	460	230	690	1,470	2,160
	98	614	1,300	2.1	0	100	50	150	300	450
	102	216	5,000	23.1	0	360	180	540	1,170	1,710
26		324	44,500	137.3	0	1,450	1,100	2,550	11,880	14,430
	99	167	22,000	131.7	0	720	540	1,260	5,870	7,130
	100	157	22,500	143.3	0	730	560	1,290	6,010	7,300
27		1,367	5,700	4.2	0	860	140	1,000	640	1,640
28		3,021	12,100	4.0	370	1,390	360	1,750	1,490	3,610
	103	309	700	2.3	0	50	20	70	140	210
	104	1,633	9,700	5.9	190	1,230	290	1,520	1,190	2,900
	105	1,079	1,700	1.6	190	110	50	160	150	500
29		106	20,788	13,500	0.6	1,380	240	380	620	4,370
Managua Total		54,596	1,383,600	25.3	5,900	68,300	33,600	101,900	332,800	440,600

Area, Population, Population Density and Employed Persons on Residence Base, 2008
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Area (ha)	Population	Population Density (psn/ha)	Employed Persons on Residence Base					
					Primary Sector	Secondary Sector			Tertiary Sector	Total
						Manufacturing	Construc./Mining	Total		
1		414	32,900	79.5	60	1,620	1,460	3,080	7,850	10,990
	1	152	1,500	9.9	0	80	60	140	360	500
	2	262	31,400	119.8	60	1,540	1,400	2,940	7,490	10,490
	2	783	73,500	93.9	180	4,070	2,410	6,480	18,820	25,480
2	3	334	1,700	5.1	30	90	50	140	420	590
	4	449	71,800	159.9	150	3,980	2,360	6,340	18,400	24,890
3		3,633	17,900	4.9	350	1,410	840	2,250	4,190	6,790
	5	336	12,600	37.5	0	980	580	1,560	3,220	4,780
	6	322	0	0.0	0	0	0	0	0	0
	7	309	2,500	8.1	0	210	120	330	620	950
	8	2,566	2,800	1.1	350	220	140	360	350	1,060
	4	321	37,300	116.2	30	1,730	1,130	2,860	10,060	12,950
	9	73	5,800	79.5	30	260	180	440	1,540	2,010
	10	122	13,900	113.9	0	650	430	1,080	3,740	4,820
	11	126	17,600	139.7	0	820	520	1,340	4,780	6,120
	5	532	75,800	142.5	130	3,340	1,850	5,190	18,800	24,120
	12	232	25,500	109.9	50	1,140	630	1,770	6,290	8,110
	13	145	20,300	140.0	80	900	510	1,410	4,970	6,460
	14	80	12,000	150.0	0	540	300	840	2,980	3,820
	15	75	18,000	240.0	0	760	410	1,170	4,560	5,730
6		1,173	41,500	35.4	130	1,470	1,170	2,640	13,070	15,840
	16	501	12,500	25.0	130	450	360	810	3,830	4,770
	17	542	10,800	19.9	0	400	320	720	3,410	4,130
	18	130	18,200	140.0	0	620	490	1,110	5,830	6,940
7		504	75,200	149.2	60	2,630	2,740	5,370	19,140	24,570
	19	56	3,400	60.7	0	120	120	240	870	1,110
	20	92	11,000	119.6	0	390	400	790	2,810	3,600
	21	162	29,200	180.2	60	1,010	1,080	2,090	7,390	9,540
	22	110	16,500	150.0	0	580	610	1,190	4,200	5,390
	23	84	15,100	179.8	0	530	530	1,060	3,870	4,930
8		153	3,400	22.2	0	90	20	110	850	960
	24	90	900	10.0	0	20	10	30	230	260
	25	63	2,500	39.7	0	70	10	80	620	700
	9	471	71,200	151.2	30	3,950	3,510	7,460	18,770	26,260
	26	141	21,200	150.4	30	1,180	1,040	2,220	5,560	7,810
	27	79	5,900	74.7	0	330	290	620	1,560	2,180
	28	128	25,600	200.0	0	1,430	1,260	2,690	6,750	9,440
	32	123	18,500	150.4	0	1,010	920	1,930	4,900	6,830
10		460	14,700	32.0	0	330	400	730	4,440	5,170
	29	147	7,400	50.3	0	160	210	370	2,230	2,600
	30	50	2,000	40.0	0	50	50	100	610	710
	31	263	5,300	20.2	0	120	140	260	1,600	1,860
11		333	11,700	35.1	0	430	900	1,330	2,550	3,880
	33	168	8,400	50.0	0	310	650	960	1,820	2,780
	34	165	3,300	20.0	0	120	250	370	730	1,100
	12	731	109,800	150.2	180	4,990	3,770	8,760	24,920	33,860
	35	154	23,100	150.0	30	1,070	800	1,870	5,230	7,130
	37	189	28,400	150.3	50	1,310	980	2,290	6,420	8,760
	38	62	9,300	150.0	30	430	320	750	2,080	2,860
	39	101	15,200	150.5	30	700	520	1,220	3,430	4,680
	40	225	33,800	150.2	40	1,480	1,150	2,630	7,760	10,430
	13	8,346	40,000	4.8	1,610	1,630	1,820	3,450	8,820	13,880
	36	166	8,300	50.0	0	260	460	720	2,160	2,880
	41	217	1,900	8.8	0	60	100	160	500	660
	42	343	6,500	19.0	0	210	350	560	1,700	2,260
	43	368	3,000	8.2	0	100	160	260	780	1,040
	44	616	7,500	12.2	0	740	300	1,040	1,560	2,600
	45	2,766	6,500	2.3	800	140	230	370	1,090	2,260
	46	1,369	1,800	1.3	230	30	60	90	300	620
	47	2,501	4,500	1.8	580	90	160	250	730	1,560
14		463	46,100	99.6	30	1,710	1,050	2,760	11,400	14,190
	48	69	0	0.0	0	0	0	0	0	0
	49	65	4,900	75.4	0	190	110	300	1,210	1,510
	50	76	4,200	55.3	0	160	100	260	1,040	1,300
	51	103	19,300	187.4	0	720	440	1,160	4,780	5,940
	52	61	6,100	100.0	30	220	140	360	1,490	1,880
	53	89	11,600	130.3	0	420	260	680	2,880	3,560

Area, Population, Population Density and Employed Persons on Residence Base, 2008
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Area (ha)	Population	Population Density (psa/ha)	Employed Persons on Residence Base					
					Primary Sector	Secondary Sector			Tertiary Sector	Total
						Manufacturing	Construc./Mining	Total		
15		684	127,800	186.8	150	6,920	3,170	10,090	33,420	43,660
	54	59	17,700	300.0	0	970	440	1,410	4,640	6,050
	55	55	7,200	130.9	70	380	180	560	1,830	2,460
	56	80	9,600	120.0	0	530	240	770	2,510	3,280
	59	70	4,900	70.0	0	270	130	400	1,280	1,680
	60	78	20,300	260.3	40	1,110	500	1,610	5,280	6,930
	61	74	21,500	290.5	0	1,180	530	1,710	5,630	7,340
	62	123	23,400	190.2	0	1,270	600	1,870	6,130	8,000
	64	145	23,200	160.0	40	1,210	550	1,760	6,120	7,920
16		396	36,100	91.2	0	2,280	780	3,060	8,280	11,340
	57	63	3,200	50.8	0	200	70	270	730	1,000
	58	90	13,500	150.0	0	850	290	1,140	3,100	4,240
	63	243	19,400	79.8	0	1,230	420	1,650	4,450	6,100
17		505	99,900	197.8	120	4,000	1,990	5,990	30,990	37,100
	65	74	8,100	109.5	40	330	160	490	2,480	3,010
	66	84	25,200	300.0	0	1,020	520	1,540	7,820	9,360
	67	131	23,600	180.2	0	960	480	1,440	7,330	8,770
	68	112	33,600	300.0	40	1,360	680	2,040	10,390	12,470
	69	104	9,400	90.4	40	330	150	480	2,970	3,490
18		779	126,000	161.7	40	6,430	4,090	10,520	34,470	45,030
	70	215	21,500	100.0	0	1,100	700	1,800	5,880	7,680
	71	271	40,700	150.2	40	2,080	1,320	3,400	11,100	14,540
	72	130	24,700	190.0	0	1,260	810	2,070	6,760	8,830
	73	163	39,100	239.9	0	1,990	1,260	3,250	10,730	13,980
19		2,056	35,600	17.3	560	1,020	1,070	2,090	6,850	9,500
	74	108	5,400	50.0	0	190	180	370	1,030	1,400
	75	160	8,000	50.0	0	280	250	530	1,550	2,080
	76	213	10,700	50.2	0	150	170	320	2,460	2,780
	77	149	7,500	50.3	0	290	340	630	1,310	1,940
	86	1,426	4,000	2.8	560	110	130	240	500	1,300
20		2,979	75,200	25.2	1,130	4,940	4,540	9,480	19,280	29,890
	78	121	6,100	50.4	0	310	350	660	1,700	2,360
	79	165	8,300	50.3	0	420	480	900	2,310	3,210
	83	356	17,800	50.0	0	2,090	1,220	3,310	4,040	7,350
	84	222	11,100	50.0	0	560	640	1,200	3,080	4,280
	85	367	18,400	50.1	0	930	1,060	1,990	5,120	7,110
	87	996	5,000	5.0	450	230	290	520	1,100	2,070
	88	752	8,500	11.3	680	400	500	900	1,930	3,510
21		382	68,800	180.1	70	3,550	2,770	6,320	17,310	23,700
	80	127	30,500	240.2	70	1,580	1,230	2,810	7,620	10,500
	81	255	38,300	150.2	0	1,970	1,540	3,510	9,690	13,200
22	82	361	13,800	38.2	0	950	570	1,520	2,880	4,400
23		943	170,400	180.7	260	13,040	4,530	17,570	43,680	61,500
	89	133	23,900	179.7	40	1,820	640	2,460	6,130	8,630
	90	98	27,400	279.6	0	2,130	740	2,870	7,020	9,890
	91	142	21,300	150.0	80	1,600	570	2,170	5,440	7,690
	93	243	21,900	90.1	30	1,660	590	2,250	5,630	7,910
	94	222	44,400	200.0	80	3,460	1,190	4,650	11,300	16,030
	95	105	31,500	300.0	30	2,370	800	3,170	8,160	11,360
24		864	74,600	86.3	160	6,220	2,490	8,710	15,920	24,790
	92	249	19,900	79.9	30	1,680	670	2,350	4,230	6,610
	96	324	22,700	70.1	50	1,910	760	2,670	4,820	7,540
	97	291	32,000	110.0	80	2,630	1,060	3,690	6,870	10,640
25		830	12,300	14.8	0	990	600	1,590	2,990	4,580
	98	614	1,500	2.4	0	120	80	200	360	560
	102	216	10,800	50.0	0	870	520	1,390	2,630	4,020
26		324	48,700	150.3	0	1,730	1,550	3,280	13,830	17,110
	99	167	25,100	150.3	0	890	800	1,690	7,130	8,820
	100	157	23,600	150.3	0	840	750	1,590	6,700	8,290
27	101	1,367	6,100	4.5	0	1,010	250	1,260	640	1,900
28		3,021	13,500	4.5	470	1,540	510	2,050	1,840	4,360
	103	309	1,000	3.2	0	70	40	110	210	320
	104	1,633	10,500	6.4	240	1,380	420	1,800	1,360	3,400
	105	1,079	2,000	1.9	230	90	50	140	270	640
29	106	20,788	14,000	0.7	1,750	180	320	500	2,650	4,900
Managua Total		54,596	1,573,800	28.8	7,500	84,200	52,300	136,500	398,710	542,700

Area, Population, Population Density and Employed Persons on Residence Base, 2018
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Area (ha)	Population	Population Density (psn/ha)	Employed Persons on Residence Base					
					Primary Sector	Secondary Sector			Tertiary Sector	Total
						Manufacturing	Construc./Mining	Total		
1	1	414	32,900	79.5	60	2,090	2,120	4,210	8,970	13,240
	2	152	1,500	9.9	0	100	100	200	400	600
2	2	262	31,400	119.8	60	1,990	2,020	4,010	8,570	12,640
	3	783	73,500	93.9	200	5,260	3,590	8,850	21,630	30,680
	4	334	1,700	5.1	30	120	80	200	480	710
3	4	449	71,800	159.9	170	5,140	3,510	8,650	21,150	29,970
	5	3,633	99,700	27.4	530	9,540	5,730	15,270	28,470	44,270
	6	336	25,200	75.0	0	2,420	1,450	3,870	7,320	11,190
	7	322	48,300	150.0	0	4,640	2,780	7,420	14,030	21,450
4	7	309	23,200	75.1	0	2,230	1,340	3,570	6,730	10,300
	8	2,666	3,000	1.1	530	250	160	410	390	1,330
	9	321	37,300	116.2	30	2,240	1,670	3,910	11,650	15,590
5	9	73	5,800	79.5	30	340	260	600	1,790	2,420
	10	122	13,900	113.9	0	840	630	1,470	4,340	5,810
	11	126	17,600	139.7	0	1,060	780	1,840	5,520	7,360
6	12	532	75,800	142.5	150	4,320	2,770	7,090	21,810	29,050
	13	232	25,500	109.9	60	1,470	950	2,420	7,290	9,770
	14	145	20,300	140.0	90	1,170	750	1,920	5,770	7,780
	15	80	12,000	150.0	0	700	450	1,150	3,450	4,600
	16	75	18,000	240.0	0	980	620	1,600	5,300	6,900
7	17	1,173	41,500	35.4	150	1,900	1,700	3,600	15,330	19,080
	18	501	12,500	25.0	150	580	520	1,100	4,500	5,750
	19	542	10,800	19.9	0	520	460	980	3,990	4,970
8	20	130	18,200	140.0	0	800	720	1,520	6,840	8,360
	21	504	75,200	149.2	60	3,400	3,930	7,330	22,200	29,590
	22	56	3,400	60.7	0	150	180	330	1,010	1,340
	23	92	11,000	119.6	0	500	580	1,080	3,250	4,330
	24	162	29,200	180.2	60	1,320	1,530	2,850	8,580	11,490
9	25	110	16,500	150.0	0	750	870	1,620	4,870	6,490
	26	84	15,100	179.8	0	680	770	1,450	4,490	5,940
	27	153	3,400	22.2	0	120	30	150	1,010	1,160
10	28	90	900	10.0	0	30	10	40	270	310
	29	63	2,500	39.7	0	90	20	110	740	850
	30	471	71,200	151.2	30	5,100	5,080	10,180	21,410	31,620
	31	141	21,200	150.4	30	1,520	1,510	3,030	6,350	9,410
11	32	79	5,900	74.7	0	430	420	850	1,770	2,620
	33	128	25,600	200.0	0	1,840	1,830	3,670	7,700	11,370
	34	123	18,500	150.4	0	1,310	1,320	2,630	5,590	8,220
	35	460	14,700	32.0	0	430	560	990	5,240	6,230
12	36	147	7,400	50.3	0	220	280	500	2,640	3,140
	37	50	2,000	40.0	0	60	80	140	710	850
	38	263	5,300	20.2	0	150	200	350	1,890	2,240
	39	333	11,700	35.1	0	560	1,250	1,810	2,860	4,670
13	40	168	8,400	50.0	0	400	900	1,300	2,050	3,350
	41	165	3,300	20.0	0	160	350	510	810	1,320
	42	731	109,800	150.2	200	6,450	5,510	11,960	28,610	40,770
	43	154	23,100	150.0	40	1,380	1,170	2,550	5,990	8,580
	44	189	28,400	150.3	50	1,690	1,440	3,130	7,370	10,550
	45	62	9,300	150.0	30	550	470	1,020	2,400	3,450
14	46	101	15,200	150.5	30	900	770	1,670	3,940	5,640
	47	225	33,800	150.2	50	1,930	1,660	3,590	8,910	12,550
	48	8,346	99,200	11.9	2,470	5,020	5,610	10,630	27,200	40,300
	49	166	16,600	100.0	0	610	1,070	1,680	5,060	6,740
	50	217	2,200	10.1	0	80	140	220	670	890
	51	343	17,200	50.1	0	640	1,100	1,740	5,250	6,990
	52	368	18,400	50.0	0	680	1,180	1,860	5,620	7,480
	53	616	30,800	50.0	0	2,710	1,620	4,330	8,190	12,520
15	54	2,766	7,000	2.5	1,240	150	250	400	1,200	2,840
	55	1,369	2,000	1.5	350	40	70	110	350	810
	56	2,501	5,000	2.0	880	110	180	290	860	2,030
	57	463	46,100	99.6	40	2,210	1,560	3,770	13,280	17,090
	58	69	0	0.0	0	0	0	0	0	0
	59	65	4,900	75.4	0	240	170	410	1,410	1,820
	60	76	4,200	55.3	0	210	140	350	1,210	1,560
	61	103	19,300	187.4	0	930	660	1,590	5,560	7,150
16	62	61	6,100	100.0	40	290	200	490	1,730	2,260
	63	89	11,600	130.3	0	540	390	930	3,370	4,300

Area, Population, Population Density and Employed Persons on Residence Base, 2018
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Area (ha)	Population	Population Density (psn/ha)	Employed Persons on Residence Base					
					Primary Sector	Secondary Sector			Tertiary Sector	Total
						Manufac- turing	Construc./ Mining	Total		
15		684	127,800	186.8	170	8,940	4,830	13,770	38,630	52,570
	54	59	17,700	300.0	0	1,250	680	1,930	5,350	7,280
	55	55	7,200	130.9	90	490	270	760	2,110	2,960
	56	80	9,600	120.0	0	680	370	1,050	2,900	3,950
	59	70	4,900	70.0	0	350	190	540	1,480	2,020
	60	78	20,300	260.3	40	1,430	770	2,200	6,110	8,350
	61	74	21,500	290.5	0	1,520	820	2,340	6,500	8,840
	62	123	23,400	190.2	0	1,660	890	2,550	7,080	9,630
	64	145	23,200	160.0	40	1,560	840	2,400	7,100	9,540
16		396	36,100	91.2	0	2,950	1,230	4,180	9,470	13,650
	57	63	3,200	50.8	0	260	110	370	840	1,210
	58	90	13,500	150.0	0	1,100	460	1,560	3,540	5,100
	63	243	19,400	79.8	0	1,590	660	2,250	5,090	7,340
17		505	99,900	197.8	130	5,160	3,020	8,180	36,370	44,680
	65	74	8,100	109.5	40	420	250	670	2,910	3,620
	66	84	25,200	300.0	0	1,320	780	2,100	9,170	11,270
	67	131	23,600	180.2	0	1,240	720	1,960	8,600	10,560
	68	112	33,600	300.0	40	1,760	1,030	2,790	12,200	15,030
	69	104	9,400	90.4	50	420	240	660	3,490	4,200
18		779	126,000	161.7	40	8,310	6,050	14,360	39,830	54,230
	70	215	21,500	100.0	0	1,420	1,040	2,460	6,790	9,250
	71	271	40,700	150.2	40	2,690	1,950	4,640	12,840	17,520
	72	130	24,700	190.0	0	1,630	1,190	2,820	7,810	10,630
	73	163	39,100	239.9	0	2,570	1,870	4,440	12,390	16,830
19		2,056	36,600	17.8	880	1,210	1,260	2,470	8,080	11,430
	74	108	5,400	50.0	0	240	260	500	1,190	1,690
	75	160	8,000	50.0	0	360	370	730	1,770	2,500
	76	213	10,700	50.2	0	170	180	350	2,990	3,340
	77	149	7,500	50.3	0	340	350	690	1,650	2,340
	86	1,426	5,000	3.5	880	100	100	200	480	1,560
20		2,979	132,300	44.4	1,760	10,270	9,430	19,700	40,080	61,540
	78	121	6,100	50.4	0	400	500	900	1,940	2,840
	79	165	8,300	50.3	0	540	690	1,230	2,630	3,860
	83	356	53,400	150.0	0	5,370	3,220	8,590	16,240	24,830
	84	222	11,100	50.0	0	720	920	1,640	3,520	5,160
	85	367	18,400	50.1	0	1,200	1,520	2,720	5,840	8,560
	87	996	16,500	16.6	700	980	1,240	2,220	4,760	7,680
	88	752	18,500	24.6	1,060	1,060	1,340	2,400	5,150	8,610
21		382	68,800	180.1	80	4,580	4,050	8,630	19,830	28,540
	80	127	30,500	240.2	80	2,040	1,800	3,840	8,730	12,650
	81	255	38,300	150.2	0	2,540	2,250	4,790	11,100	15,890
22		361	54,200	150.1	0	4,370	2,620	6,990	13,220	20,210
23		943	170,400	180.7	280	15,750	7,610	23,360	50,420	74,060
	89	133	23,900	179.7	40	2,220	1,080	3,300	7,050	10,390
	90	98	27,400	279.6	0	2,560	1,240	3,800	8,110	11,910
	91	142	21,300	150.0	90	1,980	950	2,930	6,240	9,260
	93	243	21,900	90.1	30	2,040	990	3,030	6,460	9,520
	94	222	44,400	200.0	90	4,130	2,000	6,130	13,080	19,300
	95	105	31,500	300.0	30	2,820	1,350	4,170	9,480	13,680
24		864	74,600	86.3	180	8,030	3,860	11,890	17,780	29,850
	92	249	19,900	79.9	30	2,170	1,040	3,210	4,720	7,960
	96	324	22,700	70.1	50	2,470	1,180	3,650	5,380	9,080
	97	291	32,000	110.0	100	3,390	1,640	5,030	7,680	12,810
25		830	34,200	41.2	0	3,220	1,940	5,160	9,740	14,900
	98	614	1,800	2.9	0	170	100	270	510	780
	102	216	32,400	150.0	0	3,050	1,840	4,890	9,230	14,120
26		324	48,700	150.3	0	2,230	2,250	4,480	16,120	20,600
	99	167	25,100	150.3	0	1,150	1,160	2,310	8,310	10,620
	100	157	23,600	150.3	0	1,080	1,090	2,170	7,810	9,980
27		1,367	6,800	5.0	0	540	320	860	1,620	2,480
28		3,021	140,400	46.5	710	11,300	6,790	18,090	34,170	52,970
	103	309	46,400	150.2	0	3,790	2,270	6,060	11,450	17,510
	104	1,633	62,000	38.0	360	4,980	2,990	7,970	15,060	23,390
	105	1,079	32,000	29.7	350	2,530	1,530	4,060	7,660	12,070
29		106	20,788	195.2	2,650	200	430	630	2,870	6,150
Managua Total		54,596	1,963,800	36.0	10,800	135,700	96,800	232,500	567,900	811,200

Employed Persons on Workplace Base and Students, 1998
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Employed Persons on Workplace Base						Students	
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manufac-turing	Construc./Mining	Total				
1		0	173	281	454	1,737	2,191	5,902	5,516
	1	0	0	0	0	28	28		0
	2	0	173	281	454	1,709	2,163		5,516
2		50	1,406	155	1,561	6,088	7,699		18,123
	3	0	36	0	36	111	147		22
	4	50	1,370	155	1,525	5,977	7,552		18,101
3		0	0	0	0	290	290	2,579	128
	5	0	0	0	0	0	0		64
	6	0	0	0	0	0	0		23
	7	0	0	0	0	260	260		0
	8	0	0	0	0	30	30		41
		27	1,080	586	1,666	10,053	11,746	7,947	4,229
	9	27	335	134	469	3,085	3,581		617
	10	0	470	361	831	4,445	5,276		1,719
	11	0	275	91	366	2,523	2,889		1,893
5		95	2,476	1,553	4,029	19,825	23,949	22,786	24,465
	12	95	1,374	751	2,125	7,196	9,416		11,331
	13	0	349	167	516	3,915	4,431		2,479
	14	0	57	292	349	2,544	2,893		1,902
	15	0	696	343	1,039	6,170	7,209		8,753
6		134	2,657	1,465	4,122	11,887	16,143	14,234	16,005
	16	103	1,503	572	2,075	5,389	7,567		12,014
	17	0	945	500	1,445	4,907	6,352		2,591
	18	31	209	393	602	1,591	2,224		1,400
7		94	2,617	1,643	4,260	26,308	30,662	24,141	23,202
	19	57	404	415	819	6,976	7,852		2,594
	20	0	467	152	619	1,804	2,423		2,159
	21	37	1,554	743	2,297	12,627	14,961		8,621
	22	0	120	144	264	2,448	2,712		6,318
	23	0	72	189	261	2,453	2,714		3,510
8		0	148	374	522	3,917	4,439	793	11,422
	24	0	0	101	101	872	973		1,975
	25	0	148	273	421	3,045	3,466		9,447
9		0	1,146	1,124	2,270	8,421	10,691	16,575	23,059
	26	0	32	353	385	1,333	1,718		5,300
	27	0	68	180	248	576	824		516
	28	0	824	565	1,389	5,715	7,104		15,623
	32	0	222	26	248	797	1,045		1,620
10		36	408	279	687	6,901	7,624	4,334	3,459
	29	0	270	56	326	1,265	1,591		488
	30	36	50	118	168	3,532	3,736		1,080
	31	0	88	105	193	2,104	2,297		1,891
11		35	231	926	1,157	9,910	11,102	3,130	16,114
	33	35	198	613	811	4,447	5,293		2,724
	34	0	33	313	346	5,463	5,809		13,390
12		23	304	235	539	1,907	2,469	11,820	6,089
	35	0	0	0	0	103	103		124
	37	0	73	126	199	641	840		1,905
	38	0	63	67	130	230	360		19
	39	23	24	16	40	707	770		3,750
	40	0	144	26	170	226	396		291
13		1,693	665	814	1,479	5,420	8,592	8,849	12,076
	36	0	27	0	27	310	337		213
	41	47	24	52	76	572	695		1,455
	42	357	141	55	196	1,518	2,071		1,585
	43	119	94	77	171	864	1,154		2,898
	44	126	92	172	264	385	775		1,185
	45	493	139	230	369	1,197	2,059		2,391
	46	37	39	57	96	462	595		917
	47	514	109	171	280	112	906		1,432
14		0	1,776	1,194	2,970	40,821	43,791	13,675	16,643
	48	0	85	254	339	2,345	2,684		293
	49	0	35	129	164	2,397	2,561		935
	50	0	470	351	821	2,248	3,069		1,538
	51	0	877	186	1,063	28,663	29,726		7,843
	52	0	105	122	227	3,045	3,272		3,617
	53	0	204	152	356	2,123	2,479		2,417

Employed Persons on Workplace Base and Students, 1998
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Employed Persons on Workplace Base						Students	
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manufac-turing	Construc./Mining	Total				
15		35	7,346	2,816	10,162	35,353	45,550	41,708	47,855
	54	0	1,004	74	1,078	3,099	4,177		5,749
	55	0	1,297	322	1,619	5,342	6,961		3,696
	56	0	569	103	672	6,509	7,181		2,584
	59	0	369	235	604	2,776	3,380		6,764
	60	0	777	205	982	2,987	3,969		6,680
	61	0	1,536	1,396	2,932	6,716	9,648		6,786
	62	0	1,240	270	1,510	3,791	5,301		4,278
	64	35	554	211	765	4,133	4,933		11,318
16		0	7,482	743	8,225	6,483	14,708	11,273	7,713
	57	0	456	64	520	913	1,433		1,510
	58	0	827	227	1,054	1,757	2,811		2,666
	63	0	6,199	452	6,651	3,813	10,464		3,537
17		36	4,070	1,352	5,422	30,849	36,307	33,686	30,454
	65	0	303	309	612	3,831	4,443		2,113
	66	0	594	255	849	2,756	3,605		12,763
	67	0	2,460	424	2,884	9,982	12,866		10,139
	68	36	563	270	833	10,410	11,279		4,595
	69	0	150	94	244	3,870	4,114		844
18		26	1,836	1,281	3,117	15,597	18,740	34,665	26,138
	70	0	72	153	225	855	1,080		2,166
	71	0	720	603	1,323	6,098	7,421		7,866
	72	26	597	372	969	5,327	6,322		9,064
	73	0	447	153	600	3,317	3,917		7,042
19		69	58	269	327	612	1,008	2,233	1,033
	74	0	0	37	37	132	169		254
	75	0	0	34	34	162	196		79
	76	0	58	0	58	97	155		157
	77	0	0	159	159	118	277		0
	86	69	0	39	39	103	211		543
20		569	567	1,008	1,575	5,818	7,962	7,195	6,750
	78	0	0	41	41	282	323		99
	79	0	79	32	111	186	297		640
	83	0	137	37	174	247	421		0
	84	0	54	173	227	2,060	2,287		698
	85	170	35	574	609	2,265	3,044		3,102
	87	0	70	124	194	290	484		659
	88	399	192	27	219	488	1,106		1,552
21		0	922	317	1,239	3,423	4,662	16,520	13,535
	80	0	801	254	1,055	2,312	3,367		11,621
	81	0	121	63	184	1,111	1,295		1,914
22	82	0	0	0	0	39	39	168	364
23		31	3,989	1,240	5,229	19,893	25,153	62,285	57,693
	89	0	876	374	1,250	4,540	5,790		14,326
	90	0	31	38	69	1,719	1,788		6,220
	91	0	767	255	1,022	4,761	5,783		14,061
	93	31	1,366	213	1,579	2,204	3,814		3,004
	94	0	532	218	750	4,023	4,773		9,595
	95	0	417	142	559	2,646	3,205		10,487
24		54	2,721	866	3,587	7,373	11,014	23,703	23,172
	92	54	924	552	1,476	1,411	2,941		5,493
	96	0	589	84	673	1,859	2,532		4,157
	97	0	1,208	230	1,438	4,103	5,541		13,522
25		0	12,564	76	12,640	4,390	17,030	1,507	1,446
	98	0	12,536	76	12,612	4,344	16,956		1,173
	102	0	28	0	28	46	74		273
26		40	767	927	1,694	11,953	13,687	11,390	9,049
	99	0	611	862	1,473	10,431	11,904		5,039
	100	40	156	65	221	1,522	1,783		4,010
27	101	0	1,386	0	1,386	1,495	2,881	2,052	2,028
28		77	703	87	790	440	1,307	3,535	3,207
	103	38	0	87	87	188	313		793
	104	0	402	0	402	110	512		58
	105	39	301	0	301	142	482		2,356
29	106	1,242	0	88	88	706	2,036	4,094	2,297
Managua Total		4,366	59,498	21,699	81,197	297,909	383,472	410,742	413,264

Employed Persons on Workplace Base and Students, 2003
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Employed Persons on Workplace Base						No. of Students	
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manufac-turing	Construc./ Mining	Total				
1		30	410	770	1,180	1,910	3,120	8,830	8,580
	1	0	20	30	50	80	130	360	360
	2	30	390	740	1,130	1,830	2,990	8,470	8,220
2		100	1,920	1,040	2,960	8,500	11,560	25,070	23,580
	3	20	40	20	60	180	260	630	570
	4	80	1,880	1,020	2,900	8,320	11,300	24,440	23,010
3		280	0	0	0	340	620	1,670	1,670
	5	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0
	7	0	0	0	0	310	310	770	770
	8	280	0	0	0	30	310	900	900
	9	20	1,320	990	2,310	18,400	20,730	9,860	6,510
	10	20	410	180	590	3,100	3,710	1,730	1,150
	11	0	570	450	1,020	10,200	11,220	3,420	2,250
		0	340	360	700	5,100	5,800	4,710	3,110
5		80	2,700	1,590	4,290	19,900	24,270	24,620	22,980
	12	30	1,500	770	2,270	7,210	9,510	8,320	7,740
	13	50	380	170	550	3,930	4,530	6,510	6,100
	14	0	60	300	360	2,560	2,920	3,900	3,580
	15	0	760	350	1,110	6,200	7,310	5,890	5,560
6		80	2,940	1,600	4,540	12,050	16,670	16,060	14,940
	16	80	1,670	620	2,290	5,440	7,810	4,850	4,520
	17	0	1,040	550	1,590	5,010	6,600	3,950	3,680
	18	0	230	430	660	1,600	2,260	7,260	6,740
7		30	3,090	2,080	5,170	35,740	40,940	26,650	22,580
	19	0	480	530	1,010	7,400	8,410	1,210	990
	20	0	550	190	740	2,740	3,480	3,940	3,390
	21	30	1,840	940	2,780	16,170	18,980	10,350	8,860
	22	0	140	180	320	4,980	5,300	5,960	5,030
	23	0	80	240	320	4,450	4,770	5,190	4,310
8		0	170	470	640	4,550	5,190	880	17,420
	24	0	0	130	130	1,050	1,180	220	2,890
	25	0	170	340	510	3,500	4,010	660	14,530
9		20	1,360	1,430	2,790	16,570	19,380	21,420	29,720
	26	20	40	450	490	3,800	4,310	5,140	8,260
	27	0	80	230	310	3,600	3,910	1,840	1,690
	28	0	980	710	1,690	7,300	8,990	8,980	14,750
	32	0	260	40	300	1,870	2,170	5,460	5,020
10		0	480	360	840	13,830	14,670	4,970	3,560
	29	0	320	70	390	7,520	7,910	2,460	1,760
	30	0	60	160	220	4,050	4,270	730	520
	31	0	100	130	230	2,260	2,490	1,780	1,280
11		0	270	1,170	1,440	12,390	13,830	3,450	24,240
	33	0	230	770	1,000	6,550	7,550	1,530	2,380
	34	0	40	400	440	5,840	6,280	1,920	21,860
12		100	1,600	3,090	4,690	7,200	11,990	25,580	24,570
	35	20	290	630	920	1,290	2,230	4,720	4,530
	37	20	410	840	1,250	1,970	3,240	6,600	6,340
	38	20	170	290	460	660	1,140	2,510	2,410
	39	20	210	420	630	1,320	1,970	3,460	3,320
	40	20	520	910	1,430	1,970	3,420	8,290	7,970
13		1,300	880	1,400	2,280	6,190	9,770	11,070	15,350
	36	0	90	280	370	490	860	1,340	1,580
	41	0	40	90	130	590	720	570	670
	42	0	180	90	270	1,790	2,060	2,060	2,420
	43	0	120	130	250	1,040	1,290	890	3,000
	44	0	120	300	420	460	880	2,230	3,010
	45	650	160	260	420	1,230	2,300	2,060	2,420
	46	180	50	60	110	470	760	530	620
	47	470	120	190	310	120	900	1,390	1,630
14		20	1,930	1,340	3,270	37,270	40,560	15,340	17,820
	48	0	40	120	160	2,670	2,830	0	0
	49	0	50	170	220	7,590	7,810	2,150	2,190
	50	0	480	450	930	2,450	3,380	1,860	1,900
	51	0	870	240	1,110	19,390	20,500	5,140	5,220
	52	20	160	160	320	3,050	3,390	2,110	2,150
	53	0	330	200	530	2,120	2,650	4,080	6,360

Employed Persons on Workplace Base and Students, 2003
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Employed Persons on Workplace Base						No. of Students	
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manufac- turing	Construc- tion/ Mining	Total				
15		100	7,720	2,850	10,570	39,620	50,290	44,430	46,900
	54	0	1,050	80	1,130	3,480	4,610	6,070	5,750
	55	50	1,360	330	1,690	5,990	7,730	2,490	2,350
	56	0	610	110	720	6,800	7,520	3,290	3,110
	59	0	390	240	630	2,900	3,530	1,640	6,250
	60	20	820	210	1,030	3,350	4,400	7,090	6,710
	61	0	1,610	1,400	3,010	7,840	10,850	7,550	7,150
	62	0	1,290	270	1,560	4,430	5,990	8,180	7,730
	64	30	590	210	800	4,830	5,660	8,120	7,850
16		0	9,700	740	10,440	6,600	17,040	12,060	6,940
	57	0	500	60	560	950	1,510	1,040	600
	58	0	1,070	230	1,300	1,800	3,100	4,470	2,570
	63	0	8,130	450	8,580	3,850	12,430	6,550	3,770
17		70	4,140	1,400	5,540	33,170	38,780	36,190	27,250
	65	20	310	320	630	5,090	5,740	2,900	2,180
	66	0	600	260	860	3,020	3,880	9,180	6,920
	67	0	2,500	440	2,940	10,070	13,010	8,560	6,450
	68	20	570	280	850	10,750	11,620	12,240	9,210
	69	30	160	100	260	4,240	4,530	3,310	2,490
18		20	2,630	2,470	5,100	20,540	25,660	41,890	31,030
	70	0	300	390	690	2,720	3,410	4,480	3,660
	71	20	940	890	1,830	8,230	10,080	13,890	10,480
	72	0	800	840	1,640	5,910	7,550	9,070	6,510
	73	0	590	350	940	3,680	4,620	14,450	10,380
19		470	510	1,450	1,960	2,340	4,770	5,280	5,120
	74	0	110	300	410	460	870	1,180	1,160
	75	0	170	410	580	660	1,240	1,700	1,650
	76	0	100	190	290	620	910	920	890
	77	0	100	470	570	400	970	180	180
	86	470	30	80	110	200	780	1,290	1,240
20		930	1,300	3,330	4,630	7,610	13,170	14,940	17,290
	78	0	80	290	370	560	930	1,180	1,170
	79	0	170	400	570	610	1,180	2,490	2,470
	83	0	260	650	910	600	1,510	350	350
	84	0	190	600	790	2,160	2,950	2,290	2,270
	85	0	270	1,130	1,400	2,740	4,140	4,370	6,820
	87	370	80	210	290	350	1,010	1,560	1,540
	88	560	250	50	300	590	1,450	2,700	2,670
21		50	1,630	1,230	2,860	4,120	7,030	23,780	24,010
	80	50	1,030	610	1,640	2,410	4,100	11,340	11,440
	81	0	600	620	1,220	1,710	2,930	12,440	12,570
22	82	0	110	550	660	230	890	590	590
23		150	4,790	1,630	6,420	22,250	28,820	68,080	61,180
	89	20	960	490	1,450	5,040	6,510	9,670	8,700
	90	0	40	50	90	1,930	2,020	11,270	10,120
	91	50	990	340	1,330	4,980	6,360	8,510	7,650
	93	20	1,760	280	2,040	2,300	4,360	8,930	8,020
	94	40	580	280	860	4,830	5,730	16,910	15,200
	95	20	460	190	650	3,170	3,840	12,790	11,490
24		90	3,280	900	4,180	7,400	11,670	25,740	22,030
	92	20	1,190	560	1,750	1,420	3,190	6,650	5,910
	96	20	760	90	850	1,870	2,740	7,810	6,580
	97	50	1,330	250	1,580	4,110	5,740	11,280	9,540
25		0	13,700	570	14,270	4,610	18,880	2,300	2,260
	98	0	13,650	340	13,990	4,420	18,410	560	560
	102	0	50	230	280	190	470	1,740	1,700
26		0	1,090	1,540	2,630	12,100	14,730	16,460	14,730
	99	0	730	1,010	1,740	10,480	12,220	8,130	7,270
	100	0	360	530	890	1,620	2,510	8,330	7,460
27	101	0	1,500	30	1,530	1,500	3,030	2,340	1,980
28		380	900	150	1,050	530	1,960	4,020	3,910
	103	0	0	150	150	230	380	230	220
	104	190	510	0	510	130	830	3,220	3,140
	105	190	390	0	390	170	750	570	550
29	106	1,380	30	130	160	840	2,380	4,530	2,560
Managua Total		5,700	72,100	36,300	108,400	358,300	472,400	498,100	501,300

Employed Persons on Workplace Base and Students, 2008
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Employed Persons on Workplace Base						No. of Students	
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manufac-turing	Construc./ Mining	Total				
1		40	620	1,340	1,960	2,130	4,130	10,450	10,150
	1	0	30	60	90	140	230	470	470
	2	40	590	1,280	1,870	1,990	3,900	9,980	9,680
2		130	2,310	2,040	4,350	11,150	15,630	28,280	26,600
	3	20	50	40	90	250	360	660	600
	4	110	2,260	2,000	4,260	10,900	15,270	27,620	26,000
3		360	8,580	1,210	9,790	1,130	11,280	6,260	6,260
	5	0	8,580	1,210	9,790	720	10,510	4,420	4,420
	6	0	0	0	0	0	0	0	0
	7	0	0	0	0	370	370	870	870
	8	360	0	0	0	40	400	970	970
	9	20	1,480	1,510	2,990	27,270	30,280	11,810	7,800
	10	20	460	240	700	3,100	3,820	1,840	1,220
	11	0	640	590	1,230	16,340	17,570	4,400	2,900
		0	380	680	1,060	7,830	8,890	5,570	3,680
5		100	2,750	1,820	4,570	20,330	25,000	26,220	24,470
	12	40	1,530	880	2,410	7,380	9,830	8,820	8,200
	13	60	390	200	590	4,010	4,660	7,020	6,580
	14	0	60	340	400	2,610	3,010	4,150	3,810
	15	0	770	400	1,170	6,330	7,500	6,230	5,880
6		100	3,040	1,930	4,970	12,760	17,830	17,840	16,600
	16	100	1,720	750	2,470	5,790	8,360	5,380	5,010
	17	0	1,080	660	1,740	5,270	7,010	4,650	4,330
	18	0	240	520	760	1,700	2,460	7,810	7,260
7		40	3,370	2,770	6,140	46,160	52,340	28,970	24,550
	19	0	520	700	1,220	8,040	9,260	1,310	1,070
	20	0	600	260	860	3,760	4,620	4,240	3,650
	21	40	2,000	1,250	3,250	20,130	23,420	11,250	9,640
	22	0	160	240	400	7,660	8,060	6,350	5,360
	23	0	90	320	410	6,570	6,980	5,820	4,830
8		0	190	630	820	5,300	6,120	950	18,810
	24	0	0	170	170	1,250	1,420	260	3,410
	25	0	190	460	650	4,050	4,700	690	15,400
9		20	1,480	1,910	3,390	25,190	28,600	26,430	36,670
	26	20	40	590	630	6,370	7,020	7,870	12,640
	27	0	90	310	400	6,730	7,130	2,190	2,010
	28	0	1,060	960	2,020	9,090	11,110	9,500	15,700
	32	0	290	50	340	3,000	3,340	6,870	6,320
10		0	520	480	1,000	21,150	22,150	5,580	4,000
	29	0	350	100	450	13,990	14,440	2,810	2,020
	30	0	60	200	260	4,690	4,950	760	540
	31	0	110	180	290	2,470	2,760	2,010	1,440
11		0	290	1,550	1,840	15,220	17,060	3,770	25,940
	33	0	250	1,020	1,270	8,830	10,100	1,640	2,550
	34	0	40	530	570	6,390	6,960	2,130	23,390
12		130	2,800	6,310	9,110	12,700	21,940	36,110	34,680
	35	30	570	1,330	1,900	2,510	4,440	7,600	7,300
	37	30	730	1,660	2,390	3,350	5,770	9,340	8,970
	38	20	260	550	810	1,100	1,930	3,060	2,940
	39	20	380	880	1,260	1,970	3,250	5,000	4,800
	40	30	860	1,890	2,750	3,770	6,550	11,110	10,670
13		1,640	1,050	2,150	3,200	7,130	11,970	13,920	19,300
	36	0	140	590	730	690	1,420	2,900	3,410
	41	0	60	140	200	620	820	670	790
	42	0	210	140	350	2,110	2,460	2,260	2,660
	43	0	140	200	340	1,240	1,580	1,040	3,500
	44	0	140	450	590	550	1,140	2,610	3,720
	45	820	180	320	500	1,300	2,620	2,260	2,660
	46	230	50	80	130	500	860	620	730
	47	590	130	230	360	120	1,070	1,560	1,830
14		30	1,960	1,650	3,610	34,760	38,400	16,980	19,720
	48	0	0	0	0	3,070	3,070	0	0
	49	0	70	230	300	12,990	13,290	1,810	1,840
	50	0	490	620	1,110	2,720	3,830	1,540	1,570
	51	0	810	320	1,130	10,810	11,940	7,110	7,220
	52	30	200	210	410	3,050	3,490	2,250	2,290
	53	0	390	270	660	2,120	2,780	4,270	6,800

Employed Persons on Workplace Base and Students, 2008
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Employed Persons on Workplace Base						No. of Students	
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manufac-turing	Construc./ Mining	Total				
15		120	7,810	3,230	11,040	45,000	56,160	46,760	49,360
	54	0	1,070	90	1,160	3,950	5,110	6,460	6,120
	55	60	1,380	370	1,750	6,800	8,610	2,640	2,490
	56	0	610	120	730	7,290	8,020	3,520	3,330
	59	0	390	270	660	3,110	3,770	1,790	6,820
	60	30	830	240	1,070	3,800	4,900	7,420	7,020
	61	0	1,630	1,590	3,220	9,200	12,420	7,870	7,450
	62	0	1,310	310	1,620	5,190	6,810	8,560	8,090
	64	30	590	240	830	5,660	6,520	8,500	8,040
16		0	11,120	820	11,940	6,620	18,560	12,760	7,340
	57	0	510	70	580	940	1,520	1,120	640
	58	0	1,240	250	1,490	1,790	3,280	4,780	2,750
	63	0	9,370	500	9,870	3,890	13,760	6,860	3,950
17		90	4,190	1,610	5,800	36,700	42,590	38,420	28,930
	65	30	310	370	680	6,490	7,200	3,110	2,340
	66	0	610	300	910	3,370	4,280	9,690	7,300
	67	0	2,530	510	3,040	10,580	13,620	9,080	6,840
	68	30	580	320	900	11,530	12,460	12,920	9,730
	69	30	160	110	270	4,730	5,030	3,620	2,720
18		30	3,020	3,960	6,980	26,050	33,060	49,240	35,380
	70	0	420	670	1,090	4,660	5,750	8,400	6,050
	71	30	1,030	1,300	2,330	10,600	12,960	15,910	11,430
	72	0	900	1,410	2,310	6,650	8,960	9,650	6,930
	73	0	670	580	1,250	4,140	5,390	15,280	10,970
19		590	930	2,800	3,730	4,140	8,460	13,760	13,340
	74	0	220	590	810	800	1,610	2,090	2,040
	75	0	330	840	1,170	1,170	2,340	3,100	3,010
	76	0	130	410	540	1,170	1,710	4,140	4,000
	77	0	190	820	1,010	690	1,700	2,890	2,810
	86	590	60	140	200	310	1,100	1,540	1,480
20		1,180	1,960	6,050	8,010	9,620	18,810	27,280	31,580
	78	0	160	580	740	860	1,600	2,210	2,190
	79	0	250	810	1,060	1,060	2,120	3,010	2,980
	83	0	360	1,330	1,690	960	2,650	6,460	6,400
	84	0	310	1,100	1,410	2,330	3,740	4,030	3,990
	85	0	490	1,840	2,330	3,290	5,620	6,670	11,170
	87	470	100	320	420	420	1,310	1,820	1,800
	88	710	290	70	360	700	1,770	3,080	3,050
21		60	2,230	2,290	4,520	4,930	9,510	27,400	27,660
	80	60	1,190	1,040	2,230	2,580	4,870	12,140	12,250
	81	0	1,040	1,250	2,290	2,350	4,640	15,260	15,410
22	82	0	210	1,160	1,370	420	1,790	4,250	4,240
23		190	5,300	2,210	7,510	25,330	33,030	73,370	65,930
	89	30	980	670	1,650	5,780	7,460	10,290	9,260
	90	0	40	70	110	2,190	2,300	11,800	10,600
	91	60	1,150	460	1,610	5,330	7,000	9,170	8,240
	93	20	2,060	380	2,440	2,470	4,930	9,430	8,470
	94	60	600	380	980	5,770	6,810	19,120	17,180
	95	20	470	250	720	3,790	4,530	13,560	12,180
24		110	3,640	950	4,590	7,530	12,230	27,610	23,630
	92	20	1,390	600	1,990	1,440	3,450	7,370	6,550
	96	30	890	90	980	1,900	2,910	8,400	7,080
	97	60	1,360	260	1,620	4,190	5,870	11,840	10,000
25		0	13,990	1,210	15,200	4,960	20,160	4,700	4,620
	98	0	13,920	670	14,590	4,620	19,210	800	800
	102	0	70	540	610	340	950	3,900	3,820
26		0	1,340	2,330	3,670	12,590	16,260	18,850	16,870
	99	0	800	1,280	2,080	10,720	12,800	9,710	8,680
	100	0	540	1,050	1,590	1,870	3,460	9,140	8,190
27	101	0	1,520	70	1,590	1,540	3,130	2,620	2,220
28		480	1,050	230	1,280	630	2,390	4,700	4,570
	103	0	0	230	230	270	500	350	340
	104	240	600	0	600	160	1,000	3,650	3,550
	105	240	450	0	450	200	890	700	680
29	106	1,740	50	180	230	960	2,930	4,910	2,780
Managua Total		7,200	88,800	56,400	145,200	429,400	581,800	590,200	594,000

Employed Persons on Workplace Base and Students, 2018
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Employed Persons on Workplace Base					Students		
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manufacturing	Construc./Mining	Total				
1		60	1,050	1,610	2,660	2,520	5,240	11,440	11,110
	1	0	50	80	130	250	380	520	520
2	2	60	1,000	1,530	2,530	2,270	4,860	10,920	10,590
	3	190	3,220	2,510	5,730	16,200	22,120	30,970	28,020
	4	30	70	50	120	380	530	720	650
3	4	160	3,150	2,460	5,610	15,820	21,590	30,250	27,370
	5	510	29,770	10,320	40,090	24,650	65,250	38,160	43,540
	6	0	12,720	2,490	15,210	4,830	20,040	9,650	9,650
	7	0	3,050	4,550	7,600	9,450	17,050	18,490	23,870
4	8	0	1,540	2,280	3,820	4,370	8,190	8,880	8,880
	9	510	12,460	1,000	13,460	6,000	19,970	1,140	1,140
	10	30	1,750	1,610	3,360	38,750	42,140	12,930	8,540
	11	30	540	250	790	3,110	3,930	2,010	1,330
5	12	0	760	610	1,370	24,270	25,640	4,820	3,180
	13	0	450	750	1,200	11,370	12,570	6,100	4,030
	14	140	2,930	1,850	4,780	20,670	25,590	28,720	25,710
	15	60	1,630	890	2,520	7,500	10,080	9,660	8,650
6	16	80	410	200	610	4,080	4,770	7,690	6,880
	17	0	70	350	420	2,650	3,070	4,550	4,070
	18	0	820	410	1,230	6,440	7,670	6,820	6,110
	19	140	3,300	1,980	5,280	13,360	18,780	19,540	18,180
7	20	140	1,870	770	2,640	6,060	8,840	5,890	5,480
	21	0	1,170	680	1,850	5,520	7,370	5,090	4,740
	22	0	260	530	790	1,780	2,570	8,560	7,960
	23	60	3,870	2,890	6,760	53,480	60,300	31,730	25,790
8	24	0	600	730	1,330	8,500	9,830	1,430	1,160
	25	0	690	270	960	4,600	5,560	4,640	3,770
	26	60	2,290	1,310	3,600	22,140	25,800	12,320	10,010
	27	0	180	250	430	9,900	10,330	6,960	5,660
9	28	0	110	330	440	8,340	8,780	6,380	5,190
	29	0	220	660	880	6,220	7,100	1,040	21,210
	30	0	0	180	180	1,500	1,680	280	3,670
10	31	0	220	480	700	4,720	5,420	760	17,540
	32	30	1,700	1,990	3,690	32,390	36,110	28,950	38,860
	33	30	50	620	670	8,530	9,230	8,620	13,850
11	34	0	100	320	420	9,370	9,790	2,400	2,200
	35	0	1,220	1,000	2,220	10,540	12,760	10,410	15,890
	36	0	330	50	380	3,950	4,330	7,520	6,920
	37	0	600	500	1,100	30,660	31,760	6,110	4,380
12	38	0	400	100	500	22,310	22,810	3,080	2,210
	39	0	70	210	280	5,630	5,910	830	590
	40	0	130	190	320	2,720	3,040	2,200	1,580
	41	0	340	1,620	1,960	18,760	20,720	4,130	28,390
13	42	0	290	1,070	1,360	11,760	13,120	1,800	2,800
	43	0	50	550	600	7,000	7,600	2,330	25,590
	44	190	5,280	7,820	13,100	23,490	36,780	39,550	37,990
	45	40	1,130	1,660	2,790	4,920	7,750	8,320	7,990
14	46	40	1,380	2,040	3,420	6,050	9,510	10,230	9,830
	47	30	450	670	1,120	1,970	3,120	3,350	3,220
	48	30	740	1,090	1,830	3,230	5,090	5,480	5,260
	49	50	1,580	2,360	3,940	7,320	11,310	12,170	11,690
	50	2,360	4,660	8,510	13,170	16,910	32,440	37,800	47,410
	51	0	800	1,480	2,280	2,820	5,100	6,330	7,450
	52	0	140	250	390	690	1,080	840	990
	53	0	830	1,530	2,360	2,920	5,280	6,550	7,710
15	54	0	890	1,640	2,530	3,130	5,660	7,010	8,250
	55	0	1,500	2,730	4,230	5,230	9,460	11,740	16,750
	56	1,180	250	440	690	1,440	3,310	2,670	3,140
	57	330	70	120	190	550	1,070	760	890
	58	850	180	320	500	130	1,480	1,900	2,230
	59	40	2,130	1,730	3,860	57,920	61,820	18,600	21,590
	60	0	0	0	0	3,450	3,450	0	0
	61	0	90	240	330	26,760	27,090	1,980	2,010
16	62	0	500	650	1,150	4,530	5,680	1,690	1,720
	63	0	760	340	1,100	18,010	19,110	7,790	7,910
	64	40	270	220	490	3,050	3,580	2,460	2,500
	65	0	510	280	790	2,120	2,910	4,680	7,450
	66	0	0	0	0	0	0	0	0

[Employed Persons on Workplace Base and Students, 2018]
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	Employed Persons on Workplace Base						Students	
		Primary Sector	Secondary Sector			Tertiary Sector	Total	Residence Base	School Base
			Manuf- turing	Construc./ Mining	Total				
15		160	8,090	3,250	11,340	51,430	62,930	51,210	54,060
	54	0	1,110	90	1,200	4,510	5,710	7,080	6,700
	55	80	1,430	370	1,800	7,770	9,650	2,890	2,730
	56	0	630	120	750	7,810	8,560	3,850	3,640
	59	0	400	270	670	3,330	4,000	1,960	7,470
	60	40	860	240	1,100	4,350	5,490	8,130	7,690
	61	0	1,690	1,610	3,300	10,860	14,160	8,620	8,160
	62	0	1,360	310	1,670	6,130	7,800	9,380	8,870
	64	40	610	240	850	6,670	7,560	9,300	8,800
16		0	13,550	820	14,370	6,710	21,080	13,980	8,040
	57	0	550	70	620	950	1,570	1,240	710
	58	0	1,520	250	1,770	1,820	3,590	5,230	3,010
	63	0	11,480	500	11,980	3,940	15,920	7,510	4,320
17		120	4,260	1,650	5,910	40,610	46,640	42,080	31,690
	65	40	320	380	700	8,260	9,000	3,410	2,570
	66	0	620	310	930	3,780	4,710	10,610	7,990
	67	0	2,570	520	3,090	10,980	14,070	9,940	7,490
	68	40	590	330	920	12,280	13,240	14,150	10,660
	69	40	160	110	270	5,310	5,620	3,970	2,980
18		40	3,800	4,270	8,070	33,030	41,140	53,930	38,730
	70	0	650	730	1,380	7,200	8,580	9,200	6,610
	71	40	1,230	1,380	2,610	13,600	16,250	17,420	12,510
	72	0	1,100	1,530	1,590	7,540	9,130	10,570	7,590
	73	0	820	630	2,490	4,690	7,180	16,740	12,020
19		840	2,210	3,540	5,750	9,930	16,520	15,490	15,010
	74	0	440	730	1,170	1,460	2,630	2,290	2,230
	75	0	660	1,040	1,700	2,180	3,880	3,390	3,290
	76	0	310	510	820	3,670	4,490	4,530	4,380
	77	0	620	980	1,600	2,030	3,630	3,170	3,080
	86	840	180	280	460	590	1,890	2,110	2,030
20		1,680	6,220	12,970	19,190	22,960	43,830	52,560	57,080
	78	0	320	640	960	1,430	2,390	2,420	2,400
	79	0	430	900	1,330	1,940	3,270	3,300	3,270
	83	0	2,330	4,900	7,230	7,370	14,600	21,210	21,020
	84	0	570	1,200	1,770	2,600	4,370	4,410	4,370
	85	0	950	1,980	2,930	4,310	7,240	7,310	12,240
	87	670	780	1,610	2,390	2,510	5,570	6,560	6,500
	88	1,010	840	1,740	2,580	2,800	6,390	7,350	7,280
21		80	3,540	2,790	6,330	6,430	12,840	30,010	30,290
	80	80	1,580	1,240	2,820	2,850	5,750	13,300	13,420
	81	0	1,960	1,550	3,510	3,580	7,090	16,710	16,870
22		82	2,810	5,810	8,620	5,070	13,690	18,290	18,260
23		270	6,160	2,310	8,470	28,940	37,680	80,350	72,200
	89	40	1,050	700	1,750	6,600	8,390	11,270	10,130
	90	0	40	70	110	2,500	2,610	12,920	11,610
	91	90	1,410	480	1,890	5,710	7,690	10,040	9,020
	93	30	2,520	400	2,920	2,640	5,590	10,330	9,280
	94	80	640	400	1,040	6,930	8,050	20,940	18,820
	95	30	500	260	760	4,560	5,350	14,850	13,340
24		170	4,250	960	5,210	7,630	13,010	30,240	24,790
	92	30	1,700	610	2,310	1,460	3,800	8,070	6,620
	96	50	1,090	90	1,180	1,920	3,150	9,200	7,540
	97	90	1,460	260	1,720	4,250	6,060	12,970	10,630
25		0	16,980	3,310	20,290	8,030	28,320	14,310	14,050
	98	0	16,500	1,500	18,000	5,000	23,000	1,500	1,500
	102	0	480	1,810	2,290	3,030	5,320	12,810	12,550
26		0	1,910	2,670	4,580	13,210	17,790	20,650	17,380
	99	0	980	1,380	2,360	11,000	13,360	10,640	8,960
	100	0	930	1,290	2,220	2,210	4,430	10,010	8,420
27		101	1,760	160	1,920	1,610	3,530	3,200	2,710
28		680	6,600	14,090	20,690	19,230	40,600	53,590	52,140
	103	0	2,230	4,770	7,000	7,340	14,340	17,710	17,230
	104	340	2,880	6,140	9,020	8,310	17,670	23,670	23,030
	105	340	1,490	3,180	4,670	3,580	8,590	12,210	11,880
29		106	2,510	140	300	440	1,300	5,740	3,250
Managua Total		10,300	143,100	104,500	247,600	612,100	870,000	795,300	800,400

Number of Vivienda, Average Monthly Income and Car Owning Ratio, 1998, 2003
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	1998			2003		
		Number of Vivienda	Average Monthly Income	Car Owning Ratio	Number of Vivienda	Average Monthly Income	Car Owning Ratio
1	1	3,037	1,940.1	16.0	4,300	2,557.6	21.7
	2				200	7,208.0	68.8
2	3	7,937	1,878.4	11.8	4,100	2,330.7	20.1
	4				10,400	1,980.4	17.7
	5				300	2,004.1	17.8
3	6	801	1,199.4	30.0	10,100	1,979.6	17.7
	7				900	2,234.7	19.4
	8				400	2,657.7	22.5
	9				500	1,896.3	17.1
4	10	4,602	2,133.4	15.9	5,400	2,273.6	19.7
	11				900	4,799.2	43.0
	12				1,900	2,086.9	18.4
5	13	11,001	2,192.4	19.9	2,600	1,535.8	15.0
	14				11,100	2,304.6	19.9
	15				3,800	2,017.5	17.9
	16				2,900	2,955.2	24.9
6	17	6,827	3,000.3	30.2	1,800	2,020.9	17.9
	18				2,600	2,194.8	19.1
	19				7,200	3,163.0	26.7
7	20	11,252	2,372.6	18.7	2,200	3,632.9	31.0
	21				1,800	3,156.4	26.6
	22				3,200	2,843.6	24.0
	23				11,700	2,506.9	21.3
	24				500	5,776.5	53.8
8	25	519	2,084.2	24.1	1,800	4,040.1	35.0
	26				4,500	2,409.9	20.6
	27				2,600	1,788.4	16.5
9	28	8,305	2,398.0	21.6	2,300	1,598.2	15.3
	29				600	3,689.8	31.5
	30				200	3,689.8	31.5
	31				400	3,689.8	31.5
10	32	2,401	2,388.7	22.0	10,000	2,576.9	21.9
	33				2,400	2,136.6	18.7
	34				900	2,514.6	21.4
	35				4,200	2,946.9	24.8
11	36				2,500	2,400.3	20.6
	37	2,401	2,388.7	22.0	2,500	2,526.2	21.5
	38				900	2,034.2	18.0
12	39				400	2,802.9	23.6
	40				1,200	2,802.9	23.6
	41	1,909	6,852.1	47.3	1,900	7,345.9	70.1
13	42				1,300	6,266.5	59.2
	43				600	9,684.6	86.9
	44	6,608	2,363.8	15.9	13,400	2,491.3	21.2
	45				2,500	3,037.4	25.6
	46				3,400	1,932.9	17.4
14	47	4,720	2,507.5	22.5	1,300	2,761.3	23.3
	48				1,800	1,932.9	17.4
	49				4,400	2,761.3	23.3
	50				6,000	3,851.9	33.1
	51				700	5,141.6	46.8
	52				300	5,141.6	46.8
	53				1,100	6,855.5	65.4
	54				500	5,141.6	46.8
14	55	7,176	1,781.4	10.8	1,200	2,570.8	21.8
	56				1,100	2,285.2	19.7
	57				300	2,054.2	18.2
	58				800	2,054.2	18.2
	59				7,500	1,909.4	17.2
	60				1,000	3,378.5	28.6
14	61				900	1,430.9	14.4
	62				2,500	1,787.5	16.5
	63				1,100	2,425.4	20.7
	64				2,000	1,258.7	13.5

Number of Vivienda, Average Monthly Income and Car Owning Ratio, 1998, 2003
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	1998			2003		
		Number of Vivienda	Average Monthly Income	Car Owning Ratio	Number of Vivienda	Average Monthly Income	Car Owning Ratio
15		19,472	2,775.9	24.9	19,500	2,926.8	24.7
	54				2,700	2,731.8	23.1
	55				1,100	4,290.2	37.5
	56				1,500	2,413.2	20.7
	59				700	2,077.4	18.3
	60				3,100	2,681.4	22.7
	61				3,300	2,641.4	22.4
	62				3,600	2,688.1	22.7
	64				3,500	3,771.0	32.3
16		5,801	1,857.4	7.7	5,800	1,954.7	17.5
	57				500	1,374.8	14.1
	58				2,200	1,421.7	14.3
	63				3,100	2,426.5	20.7
17		15,055	3,112.4	30.6	15,100	4,199.6	36.6
	65				1,200	3,866.2	33.2
	66				3,800	3,590.1	30.5
	67				3,600	3,037.7	25.6
	68				5,100	3,590.1	30.5
	69				1,400	11,347.6	93.3
18		16,009	2,082.7	16.7	18,200	2,104.8	18.5
	70				1,900	3,413.8	28.9
	71				6,000	1,706.9	16.0
	72				4,000	1,554.7	15.1
	73				6,300	2,438.4	20.8
19		1,074	1,011.3	17.3	2,400	4,268.0	37.3
	74				500	4,919.0	44.3
	75				800	4,919.0	44.3
	76				400	4,919.0	44.3
	77				100	4,919.0	44.3
	86				600	2,314.8	19.9
20		3,822	6,247.9	46.0	7,900	8,352.7	78.6
	78				600	6,882.6	65.6
	79				1,300	5,735.5	53.4
	83				200	4,588.4	40.7
	84				1,200	15,609.0	98.9
	85				2,200	10,478.1	90.5
	87				900	4,875.1	43.8
	88				1,500	4,875.1	43.8
21		7,172	1,797.2	10.6	9,600	1,939.8	17.4
	80				5,000	2,217.4	19.3
	81				4,600	1,638.2	15.6
22		121	1,884.0	13.2	400	1,986.2	17.7
23		25,202	2,437.5	19.3	25,800	2,566.9	21.8
	89				3,700	3,224.0	27.2
	90				4,200	1,285.9	13.6
	91				3,200	3,010.0	25.4
	93				3,400	2,738.7	23.1
	94				6,400	2,741.1	23.2
	95				4,900	2,532.8	21.5
24		10,626	2,224.7	15.2	10,800	2,349.2	20.2
	92				2,800	2,004.2	17.8
	96				3,300	2,307.2	19.9
	97				4,700	2,584.2	21.9
25		714	1,843.8	17.6	1,000	1,943.8	17.4
	98				200	1,943.8	17.4
	102				800	1,943.8	17.4
26		4,956	2,361.4	15.5	6,700	2,522.5	21.5
	99				3,300	1,778.9	16.4
	100				3,400	3,244.2	27.4
27	101	1,058	1,558.9	0.0	1,100	1,643.4	15.6
28		1,696	1,684.6	15.7	2,000	1,905.9	17.2
	103				100	1,465.4	14.6
	104				1,600	1,929.1	17.3
	105				300	1,929.0	17.3
29	106	2,167	2,474.5	15.7	2,200	1,792.2	16.5
Managua Total		192,040	2,468.2	19.9	221,400	2,838.4	23.9

Number of Vivienda, Average Monthly Income and Car Owning Ratio, 2008 & 2018
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	2008			2018		
		Number of Vivienda	Average Monthly Income	Car Owning Ratio	Number of Vivienda	Average Monthly Income	Car Owning Ratio
1	1	4,800	2,914.5	24.6	4,800	4,087.0	35.4
	2	300	7,970.9	75.6	300	11,177.8	92.8
2	3	4,500	2,577.4	21.9	4,500	3,614.3	30.8
	4	11,100	2,189.9	19.1	11,100	3,070.8	25.9
	5	300	2,216.2	19.2	300	3,107.8	26.2
3	6	10,800	2,189.2	19.1	10,800	3,069.9	25.9
	7	3,300	2,811.4	23.7	17,200	4,087.0	35.4
	8	2,400	2,938.9	24.8	4,400	4,121.4	35.8
	9	400	2,938.9	24.8	8,300	4,121.4	35.8
4	10	500	2,097.0	18.4	4,000	4,121.4	35.8
	11	6,100	2,460.5	21.0	500	2,940.7	24.8
	12	900	5,307.1	48.6	6,100	3,487.8	29.6
5	13	2,300	2,307.7	19.9	1,000	7,442.3	71.0
	14	2,900	1,698.3	15.9	2,300	3,236.2	27.3
	15	2,900	1,698.3	15.9	2,900	2,381.6	20.4
6	16	11,200	2,554.9	21.7	11,200	3,584.3	30.5
	17	3,800	2,231.0	19.4	3,800	3,128.6	26.4
	18	3,000	3,267.9	27.6	3,000	4,582.7	40.6
	19	1,800	2,234.7	19.4	1,800	3,133.8	26.4
	20	2,600	2,427.1	20.8	2,700	3,403.6	28.8
7	21	7,600	3,499.7	29.7	7,600	4,904.9	44.2
	22	2,300	4,017.4	34.7	2,300	5,633.7	52.2
	23	2,000	3,490.5	29.6	2,000	4,894.8	44.0
	24	3,300	3,144.6	26.5	3,300	4,409.7	38.8
8	25	12,000	2,762.0	23.3	12,000	3,878.8	33.3
	26	500	6,387.8	60.5	500	8,957.8	82.8
	27	1,800	4,467.6	39.4	1,800	6,265.1	59.2
	28	4,700	2,664.9	22.6	4,700	3,737.0	32.0
	29	2,600	1,977.7	17.7	2,600	2,773.4	23.4
9	30	2,400	1,767.4	16.3	2,400	2,478.5	21.1
	31	600	4,080.3	35.4	600	5,721.9	53.2
	32	200	4,080.3	35.4	200	5,721.9	53.2
10	33	400	4,080.3	35.4	400	5,721.9	53.2
	34	11,700	2,794.9	23.6	11,700	3,920.3	33.8
	35	3,500	2,362.7	20.3	3,500	3,313.3	28.0
	36	1,000	2,780.7	23.5	1,000	3,899.4	33.6
11	37	4,200	3,258.8	27.5	4,200	4,569.9	40.5
	38	3,000	2,654.3	22.5	3,000	3,722.2	31.8
	39	2,700	2,784.7	23.5	2,700	3,905.1	33.6
	40	1,000	2,249.5	19.5	1,000	3,154.5	26.6
12	41	400	3,099.5	26.1	400	4,346.6	38.1
	42	1,300	3,099.5	26.1	1,300	4,346.6	38.1
	43	2,000	8,063.6	76.4	2,000	11,201.9	92.9
13	44	1,400	6,929.7	66.1	1,400	9,717.7	87.1
	45	600	10,709.5	91.3	600	15,018.3	98.6
	46	17,900	2,755.0	23.3	17,900	3,864.3	33.2
	47	3,800	3,358.9	28.4	3,800	4,710.2	42.0
	48	4,600	2,137.5	18.7	4,600	2,997.4	25.2
14	49	1,500	3,053.5	25.7	1,500	4,282.0	37.5
	50	2,500	2,137.5	18.7	2,500	2,997.4	25.2
	51	5,500	3,053.5	25.7	5,500	4,282.0	37.5
	52	7,100	4,422.7	38.9	16,300	6,539.3	62.1
	53	1,500	5,685.7	52.8	2,700	7,973.3	75.6
	54	300	5,685.7	52.8	400	7,973.3	75.6
	55	1,200	7,581.0	72.3	2,800	10,631.0	91.0
	56	500	5,685.7	52.8	3,000	7,973.3	75.6
	57	1,300	2,842.9	24.0	5,100	3,986.6	34.4
15	58	1,200	2,527.0	21.5	1,200	3,543.7	30.1
	59	300	2,271.6	19.6	300	3,185.5	26.9
	60	800	2,271.6	19.6	800	3,185.5	26.9
	61	7,900	2,070.1	18.3	7,900	2,912.3	24.5
	62	800	3,736.1	31.9	800	5,239.2	47.9
	63	700	1,582.3	15.2	700	2,218.9	19.3
	64	3,300	1,976.6	17.6	3,300	2,771.9	23.4
16	65	1,100	2,682.1	22.7	1,100	3,761.2	32.2
	66	2,000	1,391.9	14.2	2,000	1,951.9	17.5

Number of Vivienda, Average Monthly Income and Car Owning Ratio, 2008 & 2018
(By Traffic Zone and Planning Zone)

Planning Zone	Traffic Zone	2008			2018		
		Number of Vivienda	Average Monthly Income	Car Owning Ratio	Number of Vivienda	Average Monthly Income	Car Owning Ratio
15		19,400	3,238.0	27.3	19,400	4,538.0	40.2
	54	2,700	3,020.9	25.4	2,700	4,236.2	37.0
	55	1,100	4,744.2	42.4	1,100	6,653.0	63.3
	56	1,500	2,668.6	22.6	1,500	3,742.3	32.0
	59	700	2,297.2	19.8	700	3,221.5	27.2
	60	3,100	2,965.1	25.0	3,100	4,158.1	36.2
	61	3,300	2,920.9	24.6	3,300	4,096.1	35.5
	62	3,500	2,972.6	25.0	3,600	4,168.6	36.3
	64	3,500	4,170.1	36.3	3,500	5,847.8	54.6
16		5,800	2,161.6	18.9	5,800	3,036.5	25.6
	57	500	1,520.3	14.9	500	2,132.0	18.7
	58	2,200	1,572.1	15.2	2,200	2,204.6	19.2
	63	3,100	2,683.3	22.7	3,100	3,762.9	32.2
17		15,200	4,696.0	41.9	15,200	6,539.3	62.1
	65	1,200	4,275.4	37.4	1,200	5,995.5	56.2
	66	3,800	3,970.0	34.3	3,800	5,567.2	51.5
	67	3,600	3,359.2	28.4	3,600	4,710.7	42.0
	68	5,100	3,970.0	34.3	5,100	5,567.2	51.5
	69	1,500	12,548.5	96.0	1,400	17,597.1	99.6
18		20,200	2,424.2	20.7	20,200	3,404.8	28.8
	70	3,400	3,775.0	32.3	3,500	5,293.9	48.5
	71	6,500	1,887.5	17.1	6,500	2,646.9	22.4
	72	4,000	1,719.2	16.0	4,000	2,410.9	20.6
	73	6,300	2,696.5	22.8	6,300	3,781.3	32.4
19		5,800	5,092.1	46.2	6,000	7,069.5	67.5
	74	900	5,439.6	50.1	900	7,628.1	72.7
	75	1,300	5,439.6	50.1	1,300	7,628.1	72.7
	76	1,700	5,439.6	50.1	1,800	7,628.1	72.7
	77	1,200	5,439.6	50.1	1,200	7,628.1	72.7
	86	700	2,559.8	21.7	800	3,589.7	30.5
20		13,700	8,824.7	81.9	22,600	10,214.3	89.4
	78	1,100	7,610.9	72.5	1,000	10,673.0	91.2
	79	1,500	6,342.4	60.0	1,400	8,894.2	82.4
	83	3,200	5,074.0	46.0	9,100	7,115.4	67.9
	84	2,000	17,261.0	99.5	1,900	24,205.5	100.0
	85	3,300	11,587.0	94.0	3,100	16,248.7	99.2
	87	1,000	5,391.1	49.5	3,200	7,560.1	72.1
	88	1,600	5,391.1	49.5	2,800	7,560.1	72.1
21		10,500	2,098.2	18.4	10,500	2,938.2	24.8
	80	4,700	2,452.1	20.9	4,700	3,438.6	29.1
	81	5,800	1,811.5	16.6	5,900	2,540.4	21.6
22		2,900	2,196.3	19.1	10,700	3,080.0	25.9
23		26,300	2,843.4	24.0	26,300	3,984.9	34.4
	89	3,700	3,565.2	30.3	3,700	4,999.5	45.2
	90	4,200	1,422.0	14.3	4,200	1,994.1	17.8
	91	3,300	3,328.6	28.1	3,300	4,667.7	41.6
	93	3,400	3,028.5	25.5	3,400	4,247.0	37.1
	94	6,800	3,031.2	25.5	6,900	4,250.8	37.1
	95	4,900	2,800.9	23.6	4,900	3,927.8	33.8
24		11,000	2,593.9	22.0	11,000	3,637.0	31.0
	92	2,900	2,216.3	19.3	2,900	3,108.0	26.2
	96	3,400	2,551.4	21.7	3,400	3,577.9	30.4
	97	4,700	2,857.7	24.1	4,700	4,007.4	34.6
25		2,000	2,149.5	18.8	5,500	3,014.3	25.4
	98	200	2,149.5	18.8	300	3,014.3	25.4
	102	1,800	2,149.5	18.8	5,200	3,014.3	25.4
26		7,300	2,744.0	23.2	7,300	3,860.5	33.2
	99	3,800	1,967.1	17.6	3,800	2,758.5	23.3
	100	3,500	3,587.6	30.5	3,500	5,030.9	45.5
27	101	1,200	1,817.3	16.6	1,300	2,548.5	21.7
28		2,200	2,109.9	18.5	20,800	2,754.0	23.3
	103	100	1,620.5	15.5	6,900	2,272.5	19.6
	104	1,800	2,133.2	18.7	9,200	2,991.5	25.2
	105	300	2,133.2	18.7	4,700	2,991.4	25.2
29	106	2,300	1,981.8	17.7	2,500	2,779.2	23.5
Managua Total		251,800	3,258.0	27.5	314,200	4,566.2	40.5