

CIO
333.72
M689m



**BIOMASS USERS
NETWORK**

**MODEL OF SUSTAINABLE DEVELOPMENT (MSD) PROGRAM
GRANDE DE SAN RAMON RIVER BASIN OF COSTA RICA**

**BIOMASS USERS NETWORK
CENTRAL AMERICA AND THE CARIBBEAN REGIONAL OFFICE
(BUN-CR)**

In Consortium with:

**THE SUSTAINABLE URBAN DEVELOPMENT RESEARCH PROGRAM
THE UNIVERSITY OF COSTA RICA
(PRODUS-UCR)**

**FINAL REPORT: PHASE I
VOLUME V**

Submitted to:

THE ROYAL EMBASSY OF THE NETHERLANDS IN COSTA RICA

San José, Costa Rica
November, 1995



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Volume V.

Maps

Tables

Annex M.

Annex N.

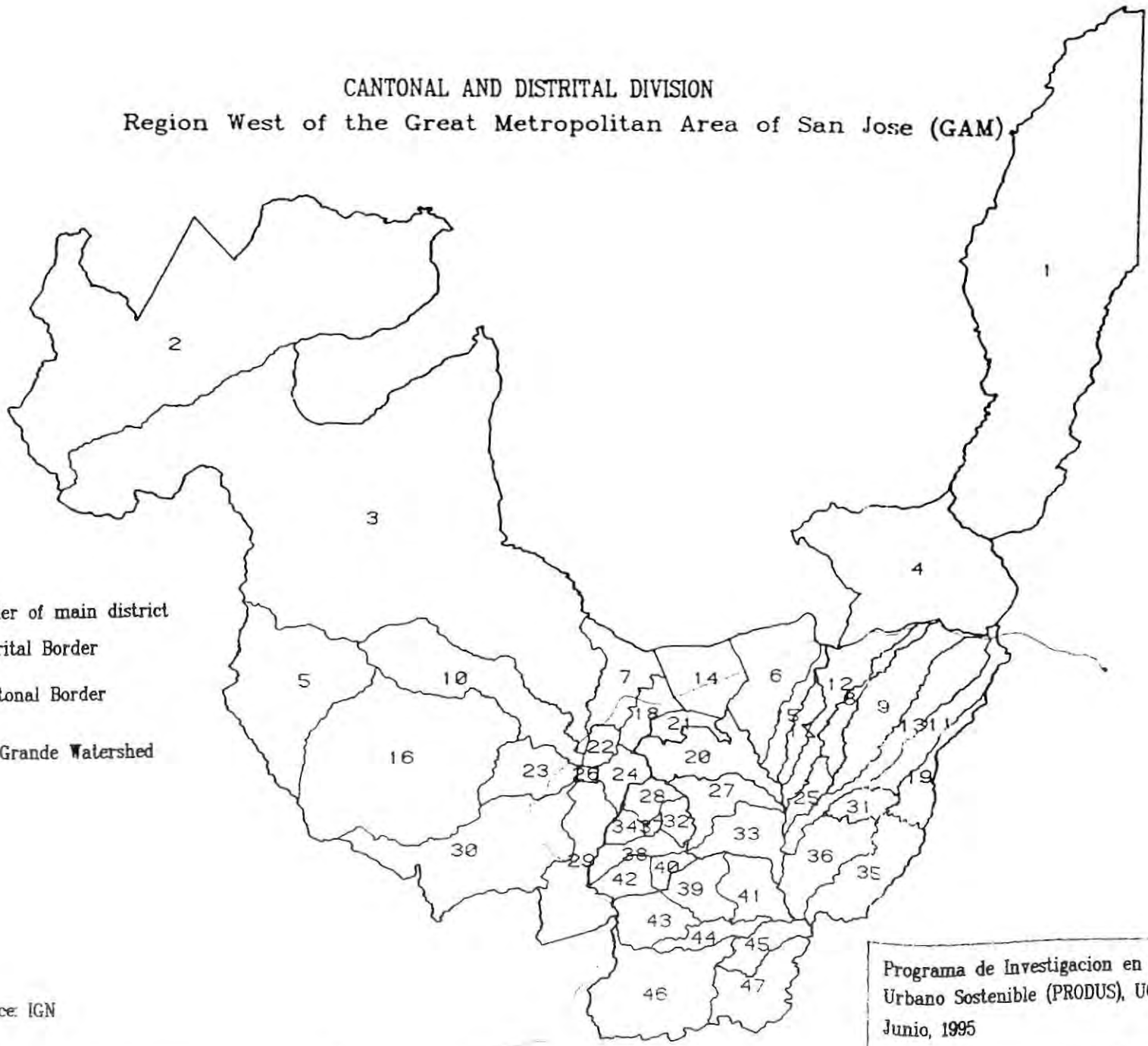
ANNEX M

MAPS

CANTONAL AND DISTRITAL DIVISION
 Region West of the Great Metropolitan Area of San Jose (GAM)



- border of main district
- Distrital Border
- Cantonal Border
- - - Rio Grande Watershed



- 1 Rio Cuarto
- 2 Penas Blancas
- 3 Angeles
- 4 Toro Amarillo
- 5 Zapotal
- 6 Cirri Sur
- 7 Volio
- 8 San Pedro
- 9 Bolivar
- 10 Piedades Norte
- 11 San Isidro
- 12 Sarchi Norte
- 13 San Roque
- 14 San Jose
- 15 San Jeronimo
- 16 Piedades Sur
- 17 Rodriguez
- 18 Concepcion
- 19 San Jose
- 20 Naranjo
- 21 San Juan
- 22 San Juan
- 23 Alfaro
- 24 San Isidro
- 25 Sarchi Sur
- 26 San Ramon
- 27 San Miguel
- 28 Buenos Aires
- 29 San Rafael
- 30 Santiago
- 31 Grecia
- 32 Esquipulas
- 33 Rosario
- 34 Granja
- 35 Tacares
- 36 Puente de Piedra
- 37 Palmares
- 38 Zaragoza
- 39 San Jose
- 40 Candelaria
- 41 Santa Eulalia
- 42 Santiago
- 43 San Isidro
- 44 Mercedes
- 45 Atenas
- 46 Jesus
- 47 Concepcion

Source: IGN



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Land Use
Western part of the Great Metropolitan Area
LandSat Satellite Image (January, 1991)



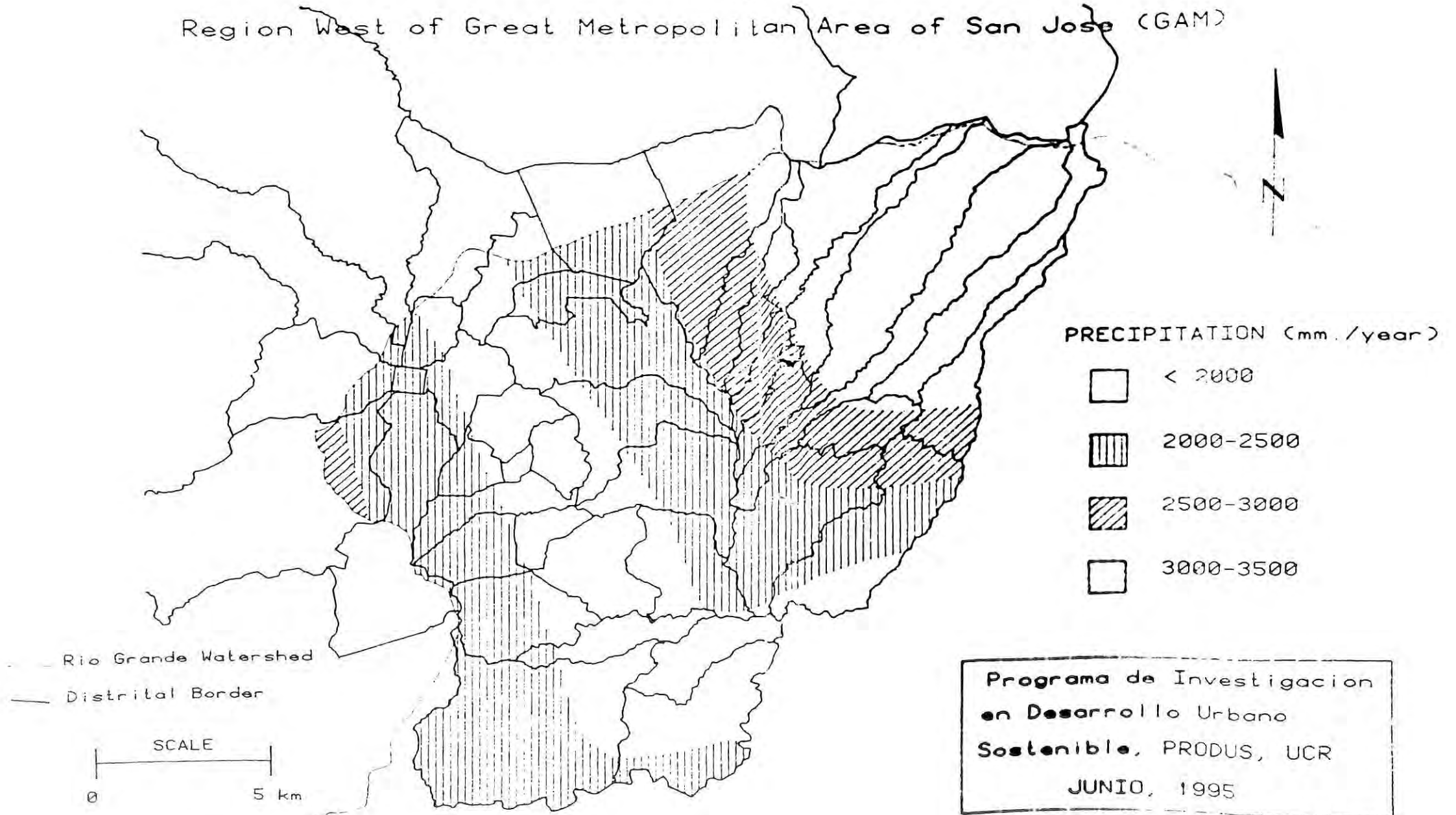
Symbology

- Clouds
- Forest
- Coffee
- Barren
- Urban
- Sugar Cane and Pasture

PRODUS, UCR
March 1995

PRECIPITATION DISTRIBUTION

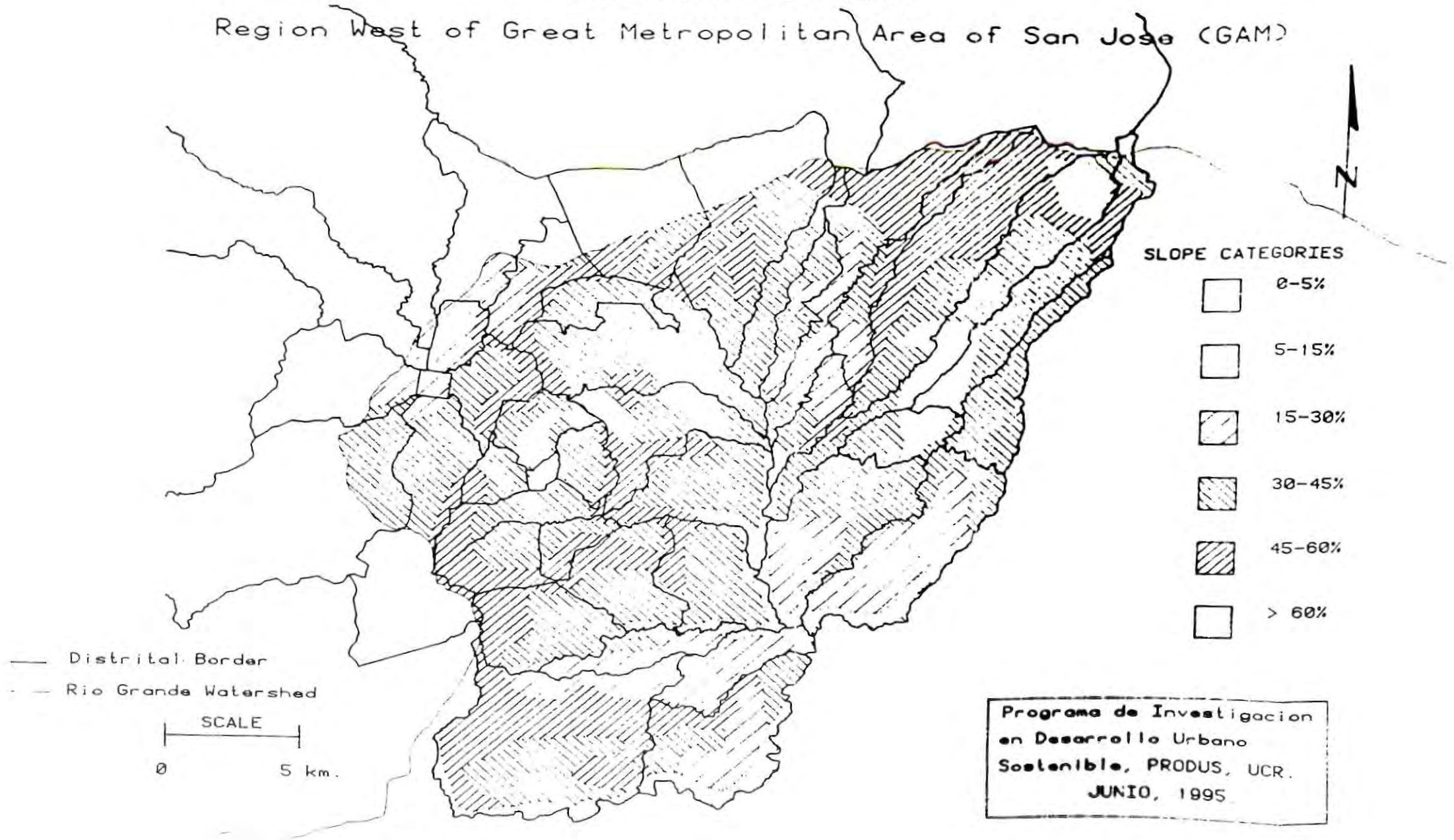
Region West of Great Metropolitan Area of San Jose (GAM)



Source: Eng. Rafael Murillo and Eng. Luis Zamora, UCR.

SLOPE DISTRIBUTION

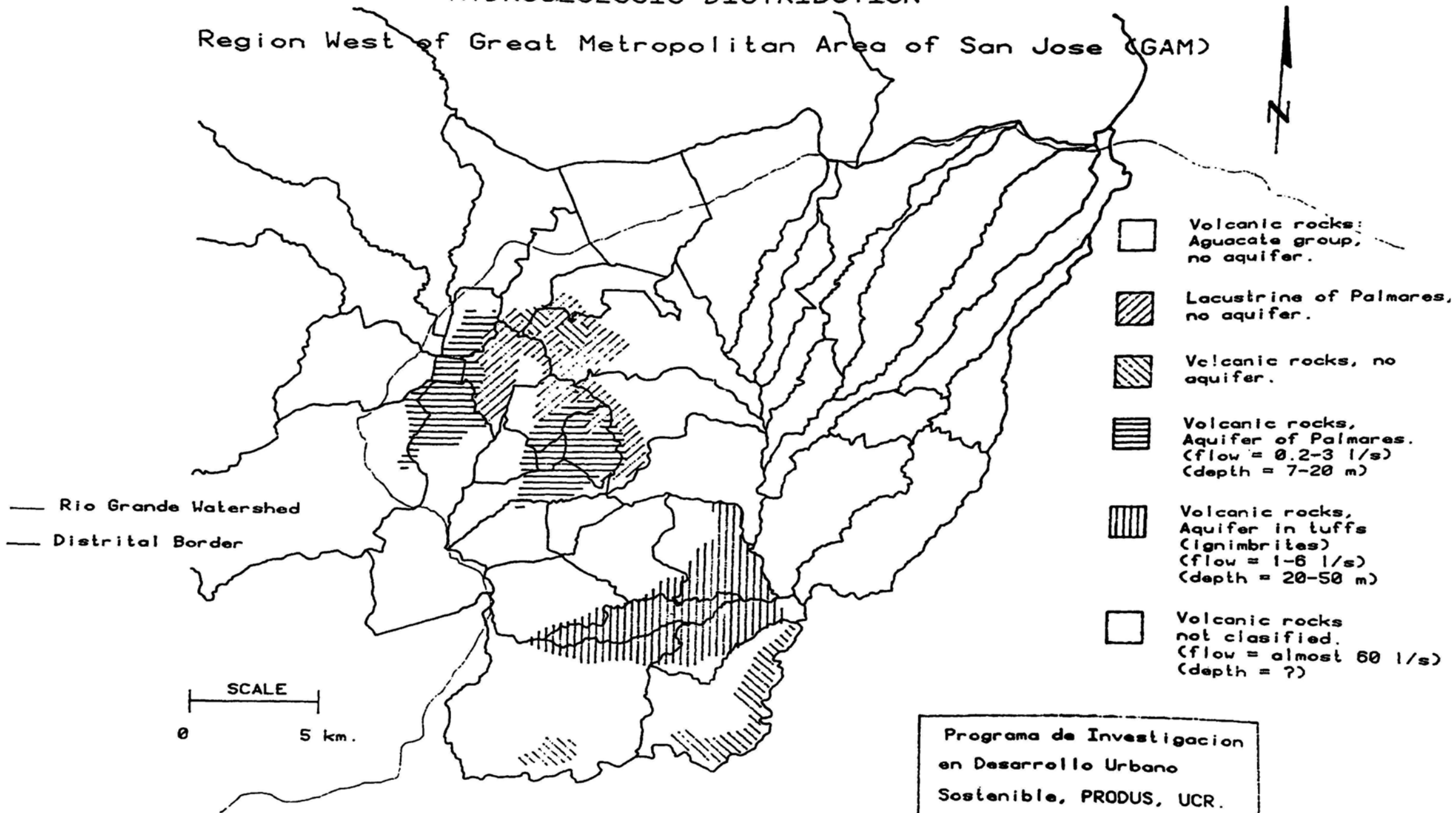
Region West of Great Metropolitan Area of San Jose (GAM)



Source: FAO.-MAG.

HYDROGEOLOGIC DISTRIBUTION

Region West of Great Metropolitan Area of San Jose (GAM)

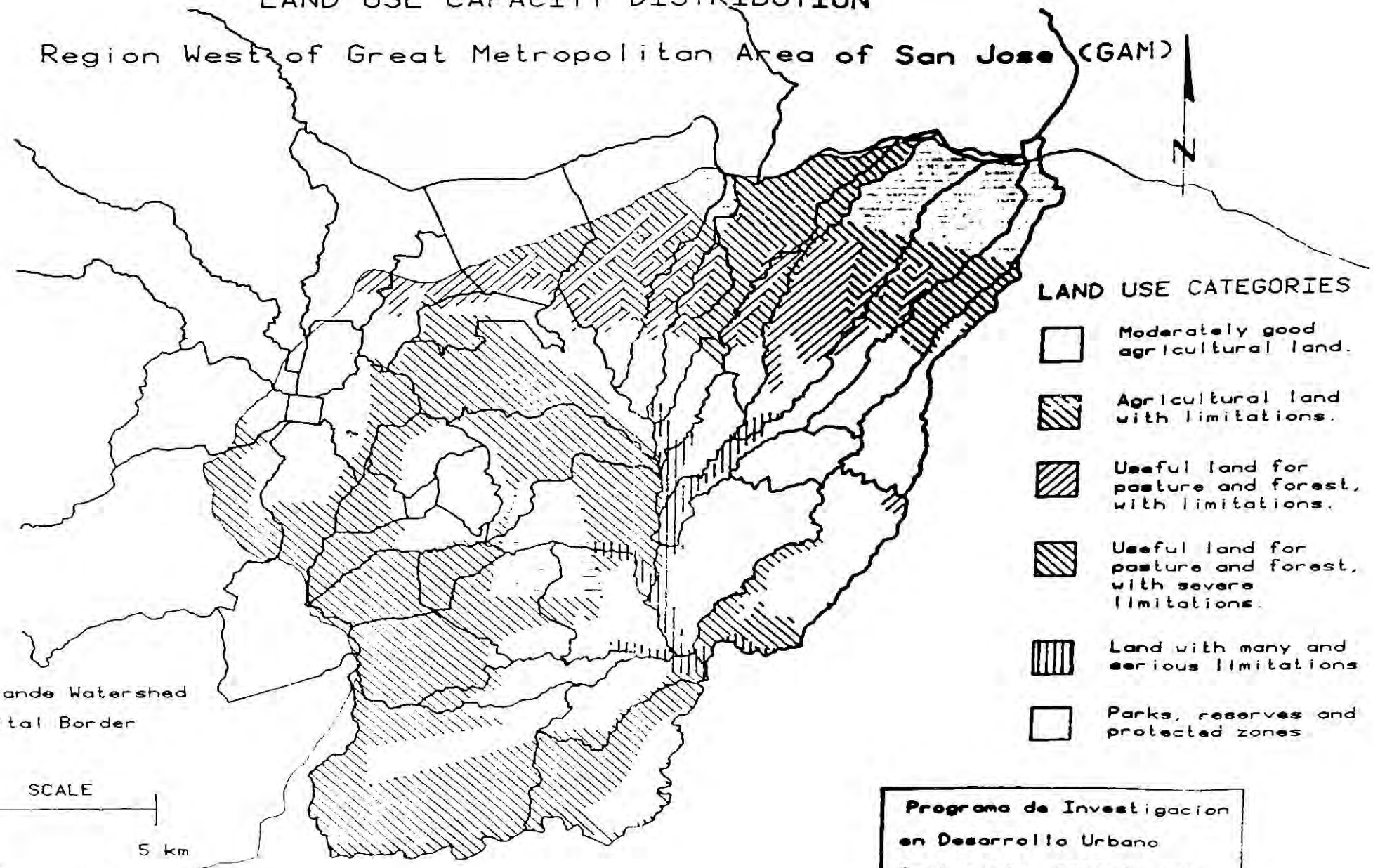


SOURCE: SENARA, Hidrog. Ernesto Echandi.

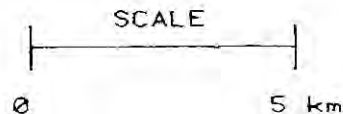
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JUNIO, 1995

LAND USE CAPACITY DISTRIBUTION

Region West of Great Metropolitan Area of San Jose (GAM)



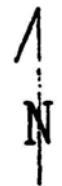
— Rio Grande Watershed
- - - Districtal Border



SOURCE: MAG

Programa de Investigacion
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Sostenible, PRODUS, UCR.
JUNIO, 1995

Sand and Stone Sources Location Region West of the Great Metropolitan Area of San Jose (GAM)



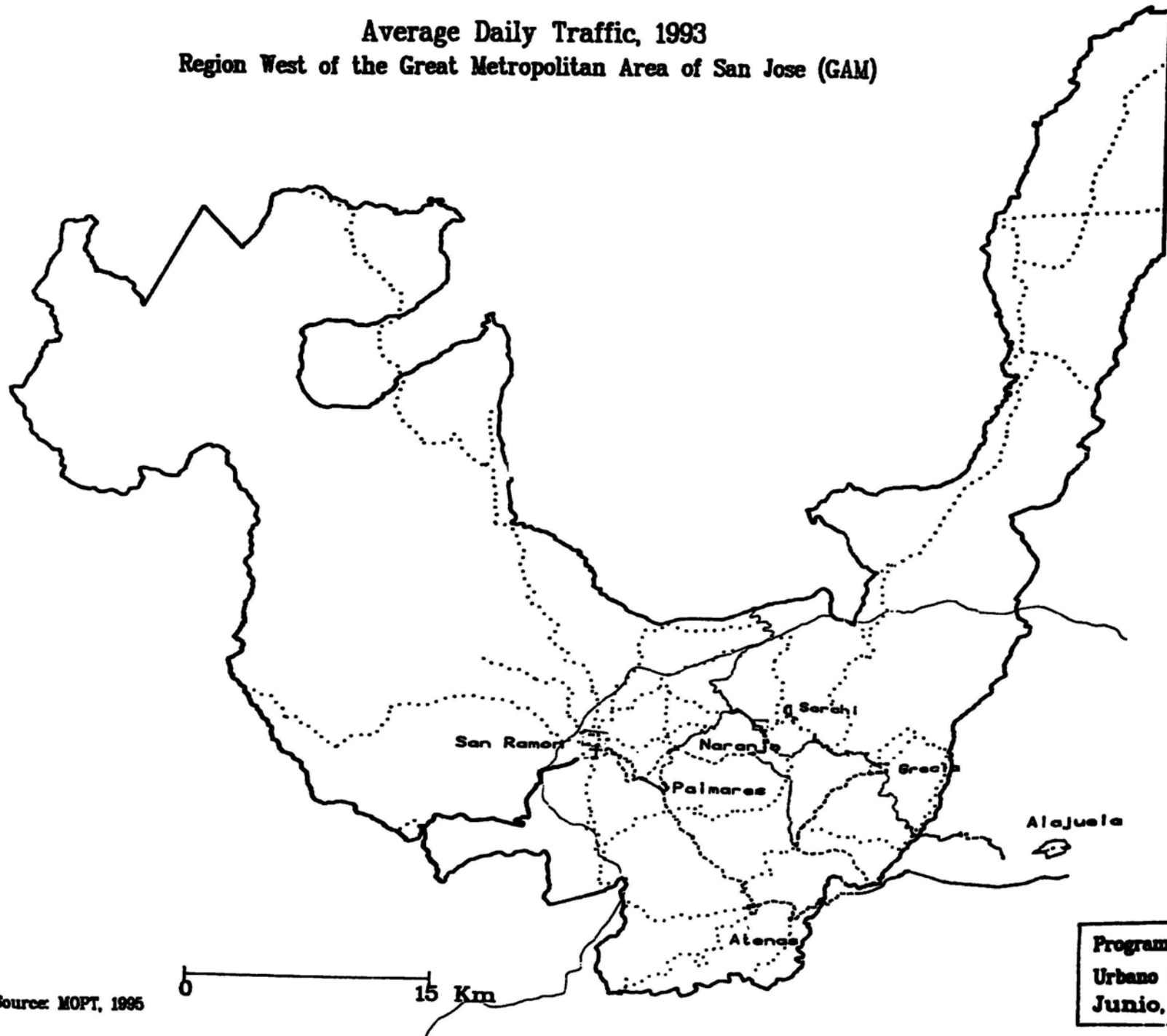
| # | AREA (m2) | OWNER |
|----|-----------|---------------------------------|
| 1 | 12,624 | PRODUCTORA AGRICOLA EL COMUN |
| 2 | 14,638 | ADAN CASTILLO MAYORGA |
| 3 | 31,507 | EUGENIO CAMPOS RODRIGUEZ |
| 4 | 115,585 | EDICON DE SALAS S.A. |
| 5 | 50,123 | MANUEL FERNANDEZ BOSCHINI |
| 6 | 20,987 | CONCRETERA PALMARENA |
| 7 | 39,069 | TAJO LAS DELICIAS |
| 8 | 1,000 | EL POLVORON |
| 9 | 102,624 | PRODUCTORA AGRICOLA EL COMUN |
| 10 | 136,517 | TAJO RIO GRANDE |
| 11 | 75,719 | MARIA ADELA CHAVEZ AGUILAR |
| 12 | 462,645 | CONSTRUCTORA RUILOVA S.A. |
| 13 | 93,923 | SONA FLUCA |
| 14 | 49,368 | TAJO LA ADUANA |
| 15 | 531,193 | TAJO FLORENCIA |
| 16 | 69,750 | TAJO LA ADUANA |
| 17 | 72,316 | OSCAR ALBERTO GONZALEZ CARVAJAL |
| 18 | 138,143 | QUEBRADOR SAN MIGUEL S.A. |
| 19 | 1,000,000 | INCONFER |
| 20 | 301,691 | EDWIN ESTRADA HERNANDEZ |
| 21 | CAUCE | CLAUDIO GUEVARA BARAHONA |
| 22 | 0 | Ma. DE LOS ANGELES NUNEZ Q. |
| 23 | 250,000 | CLAUDIA GUEVARA BARAHONA |
| 24 | 1,160,000 | FLORY MONCADO GARCIA |
| 25 | 1,000,000 | LEONARDO SILVA KING |
| 26 | 40,000 | CONSTRUCCIONES EL TUMEDAL |
| 27 | 38,944 | PRODUCTOS CARIBE S.A. |
| 28 | 10,000 | JULIO ALFARO CORDERO |
| 29 | 50,000 | OLIVER SOLIS ZAMORA |
| 30 | 11,186 | LUIS ANGEL SOLIS ZAMORA |
| 31 | 9,204 | ICE/MARIO HIDALGO PACHECO |
| 32 | 19,814 | MARIA ELENA CASTRO CHAVEZ |
| 33 | 2,000,000 | AURO MARGA S. A. |
| 34 | 2,362,019 | DESA CARGA S.A. |
| 35 | 2,560,000 | ARNULFO ARIAS GUTIERREZ |
| 36 | 618,830 | INDUSTRIAS MINERAS S.A. |
| 37 | 156,369 | CARRMI S.A. |
| 38 | 63,771 | CHAROEN S.A. |
| 39 | 63,337 | AGRICOLA GANADERA YOLANDA |
| 40 | 52,824 | SOIEDAD LAS AMERICAS |

- Cities
- Cantonal Border
- National Roads
- Rio Grande Watershed
- Main River
- ⌘ Sand and Stone Souces

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Source: MIRENEM, 1995

Average Daily Traffic, 1993
Region West of the Great Metropolitan Area of San Jose (GAM)



TPDA

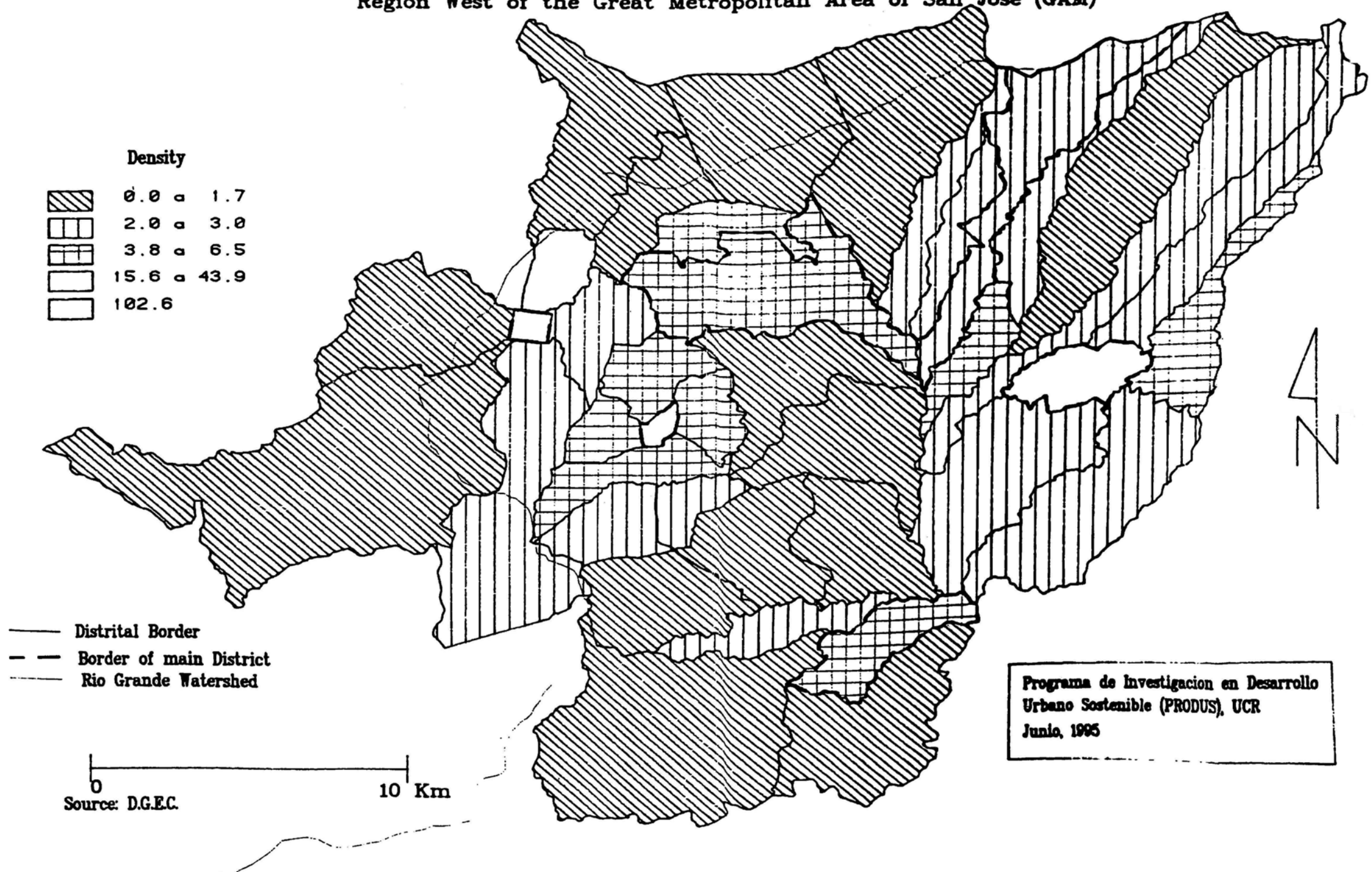
| | |
|--|----------------|
| | Not Considered |
| | 0 - 825 |
| | 1355 - 2450 |
| | 2495 - 4450 |
| | 4845 - 5815 |
| | 7185 - 9890 |
| | 10455 - 13340 |

----- Rio Grande Watershed
 ————— Studied Zone Limits






Source: MOPT, 1995




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 Urbano Sostenible (PRODUS), UCR
 Junio, 1995

**Population Density 1994 (inhabitants per Ha)
Region West of the Great Metropolitan Area of San Jose (GAM)**



Density

| | |
|---|-------------|
|  | 0.0 a 1.7 |
|  | 2.0 a 3.0 |
|  | 3.8 a 6.5 |
|  | 15.6 a 43.9 |
|  | 102.6 |

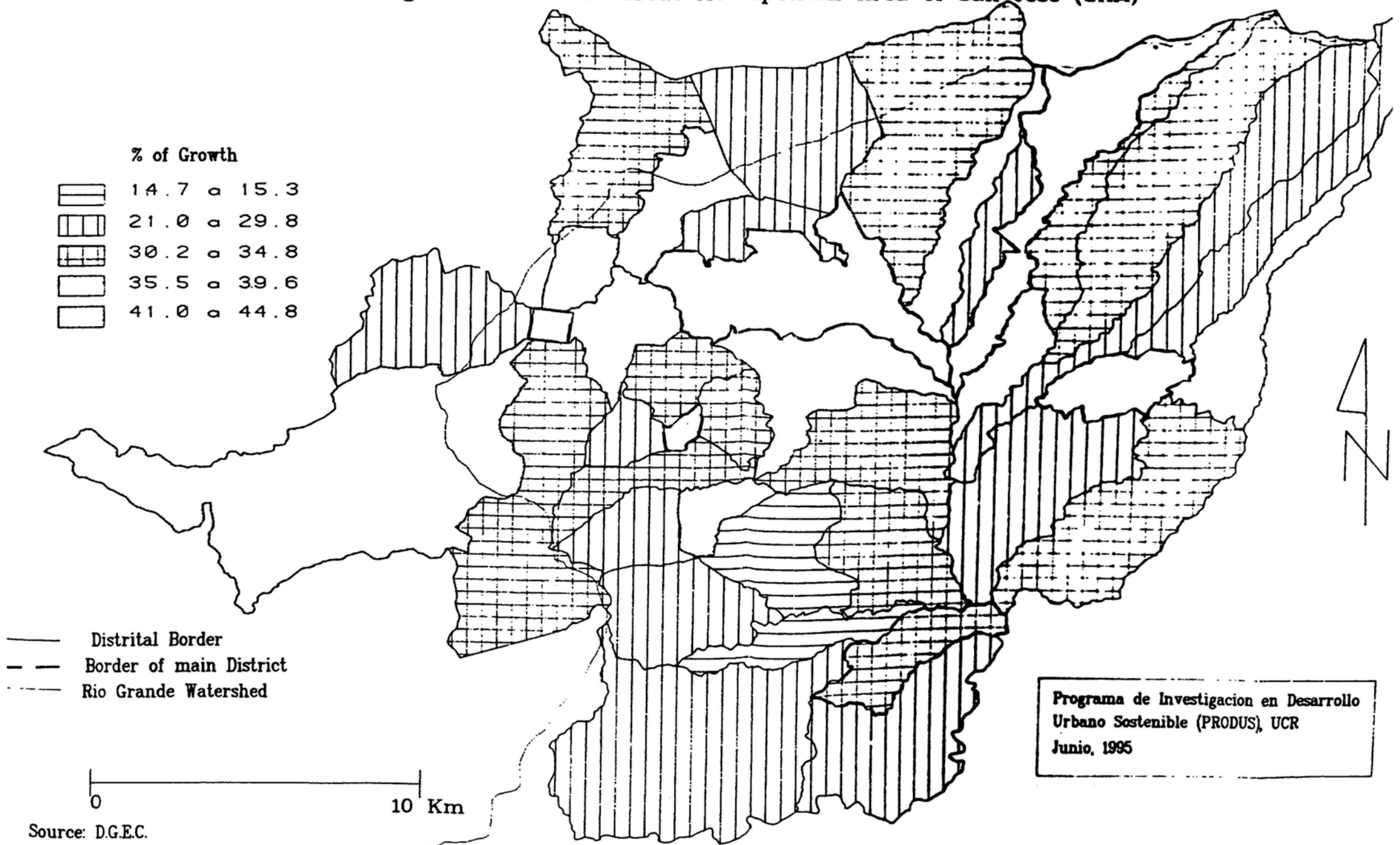
-  Distrital Border
-  Border of main District
-  Rio Grande Watershed

0 10 Km
Source: D.G.E.C.

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Urbano Sostenible (PRODUS), UCR
Junio, 1995

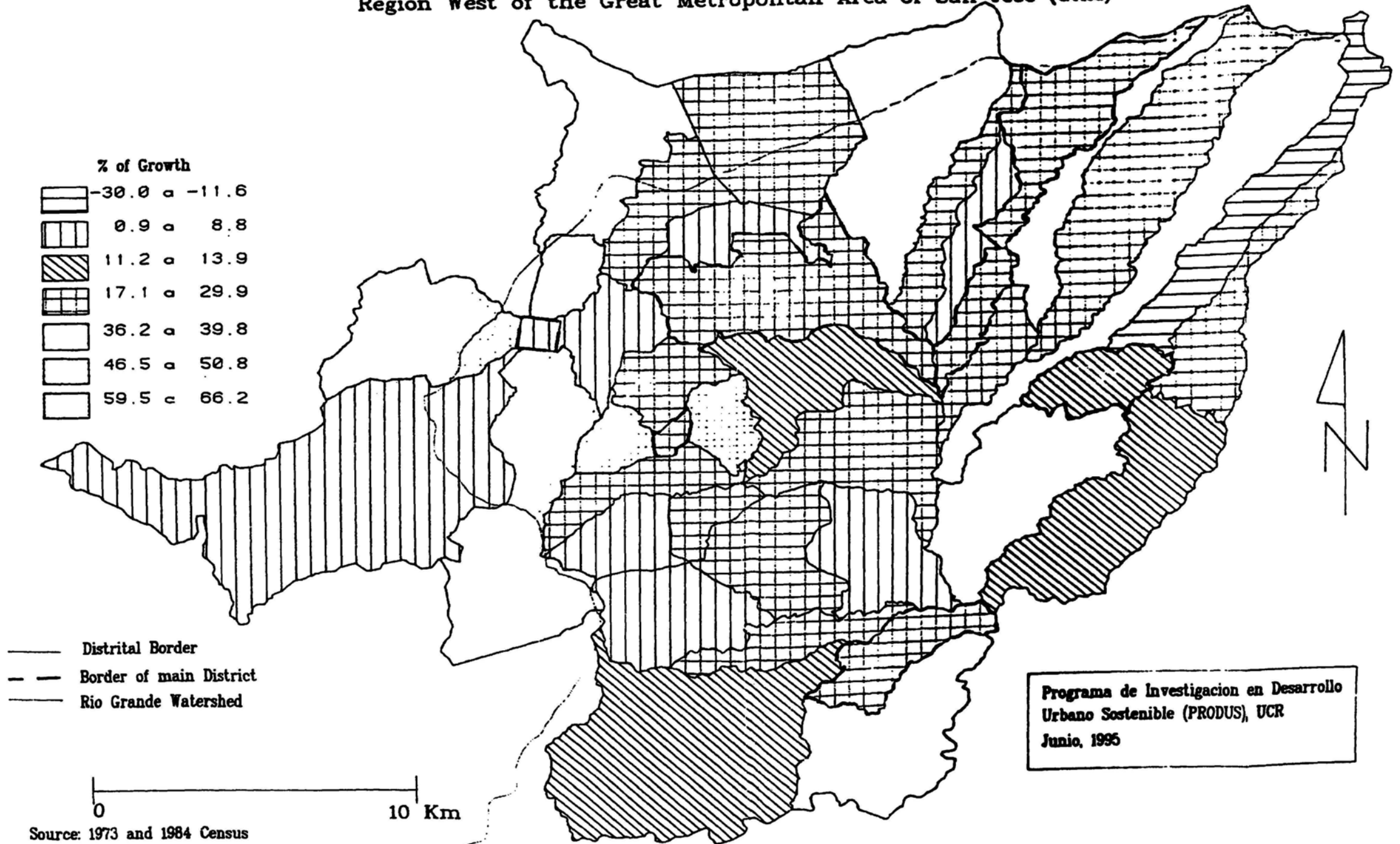
Relative Population Growth between 1984 and 1994

Region West of the Great Metropolitan Area of San Jose (GAM)



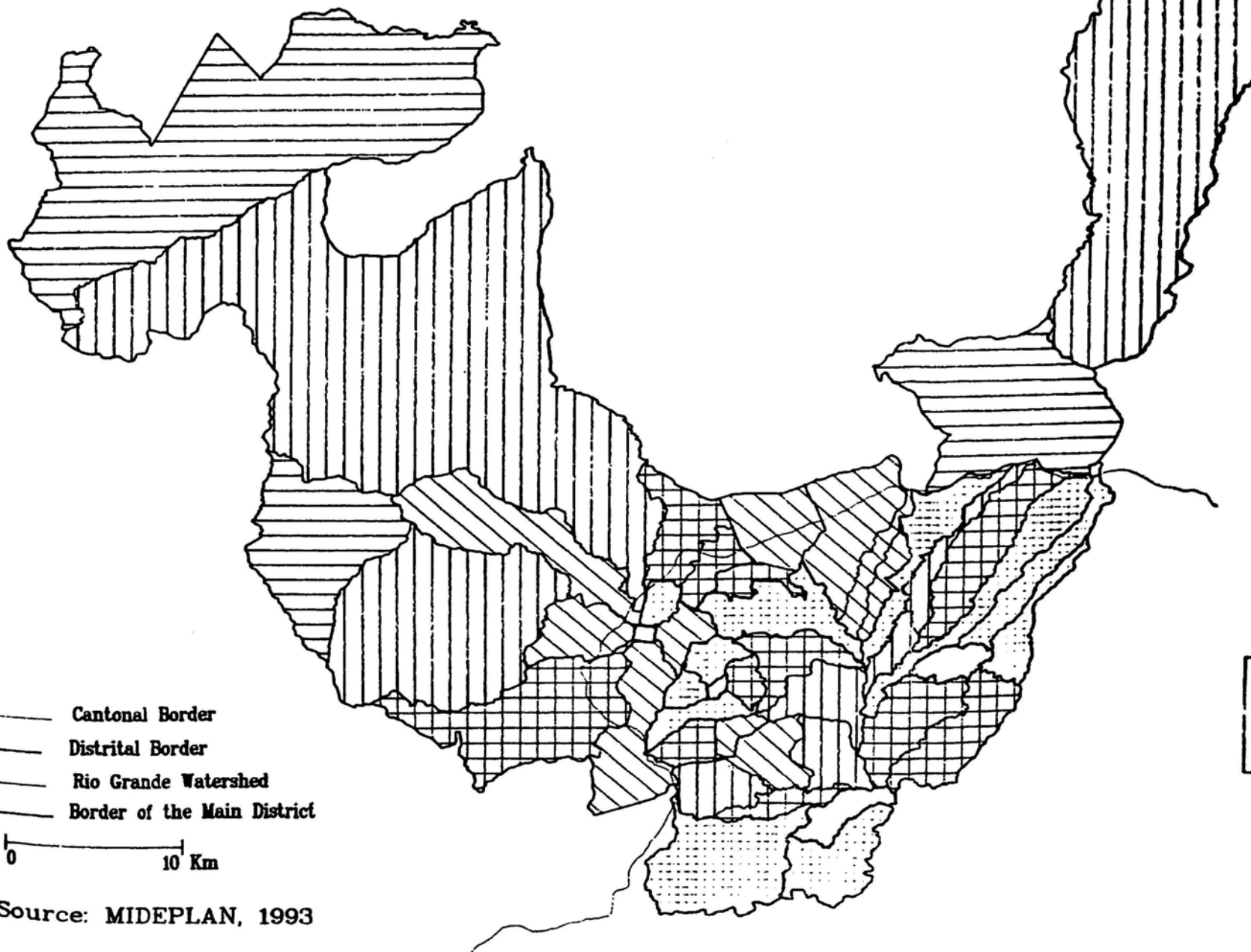
Relative Population Growth between 1973 and 1984

Region West of the Great Metropolitan Area of San Jose (GAM)

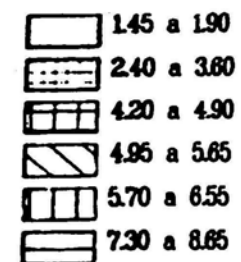


SOCIAL DEVELOPMENT INDEX

Region West of the Great Metropolitan Area of San Jose (GAM)



Index



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Urbano Sostenible (PRODUS), UCR
Junio, 1995

— Cantonal Border

— Distrital Border

— Rio Grande Watershed

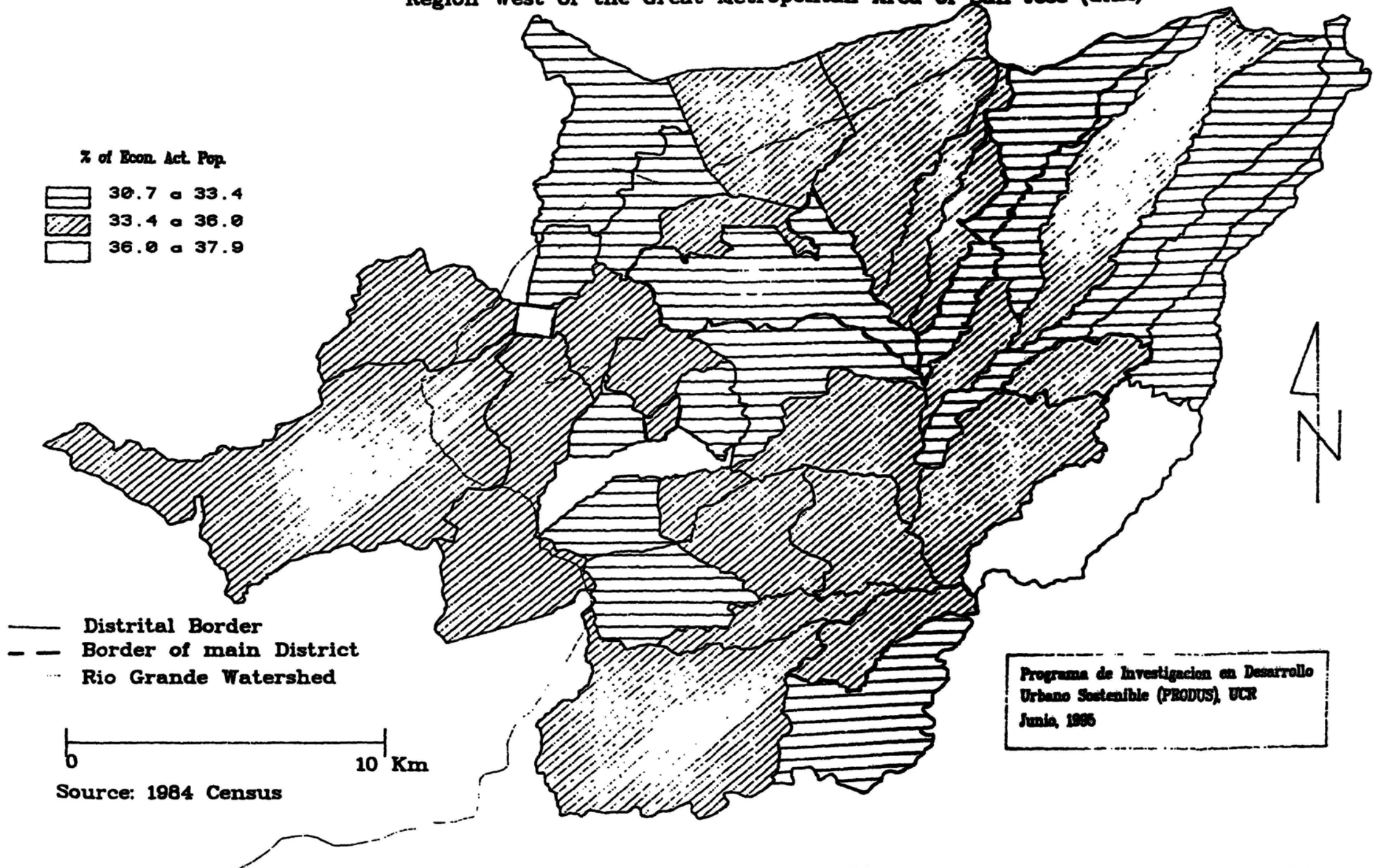
— Border of the Main District

0 10 Km

Source: MIDEPLAN, 1993

Percentage of Economic Active Population in 1984

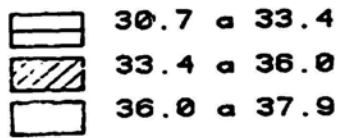
Region West of the Great Metropolitan Area of San Jose (GAM)



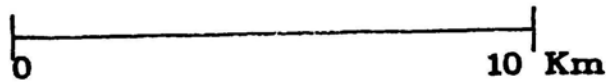
Percentage of Economic Active Population in 1984

Region West of the Great Metropolitan Area of San Jose (GAM)

% of Econ. Act. Pop.

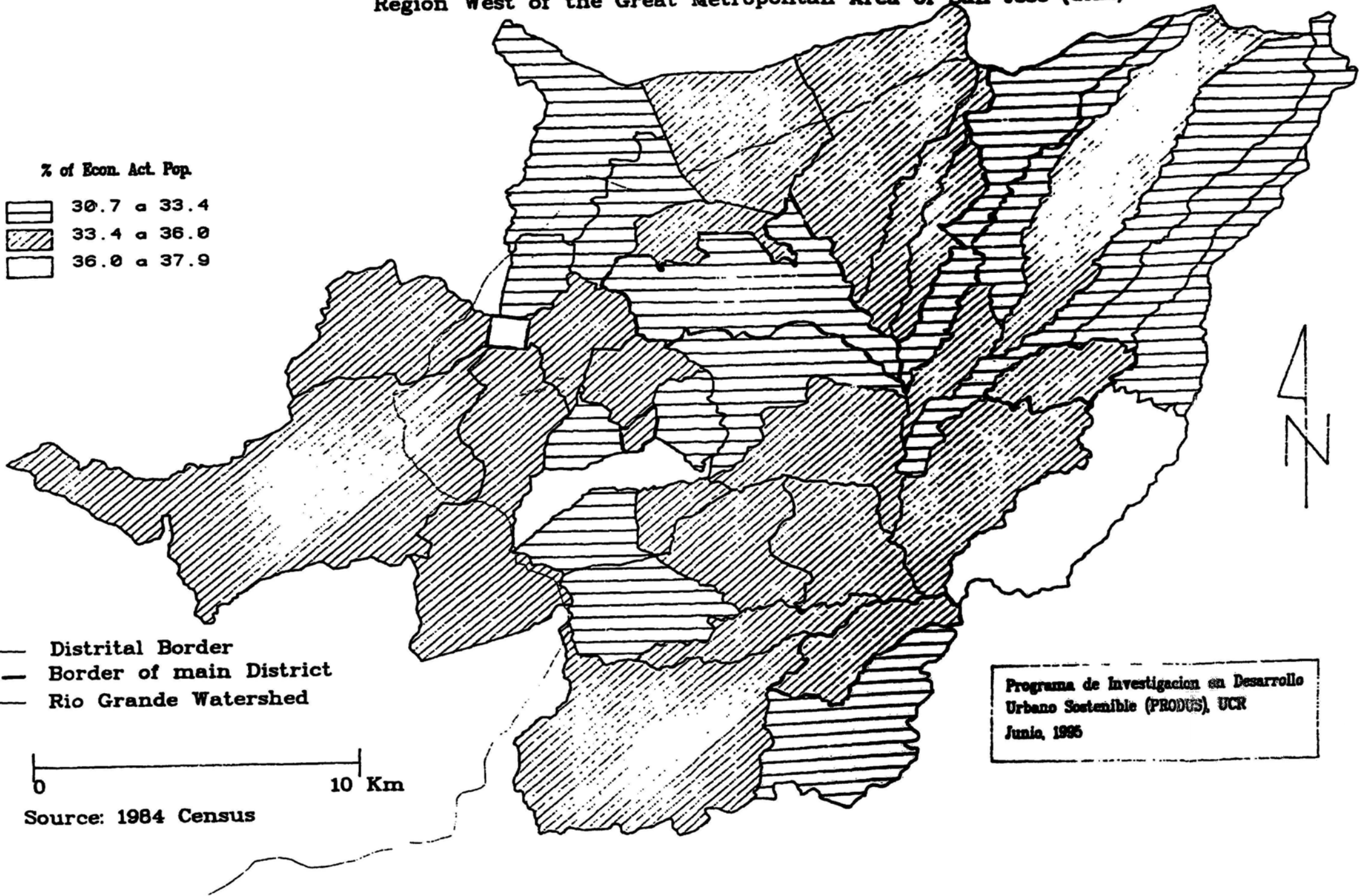


— Distrital Border
 - - - Border of main District
 — Rio Grande Watershed



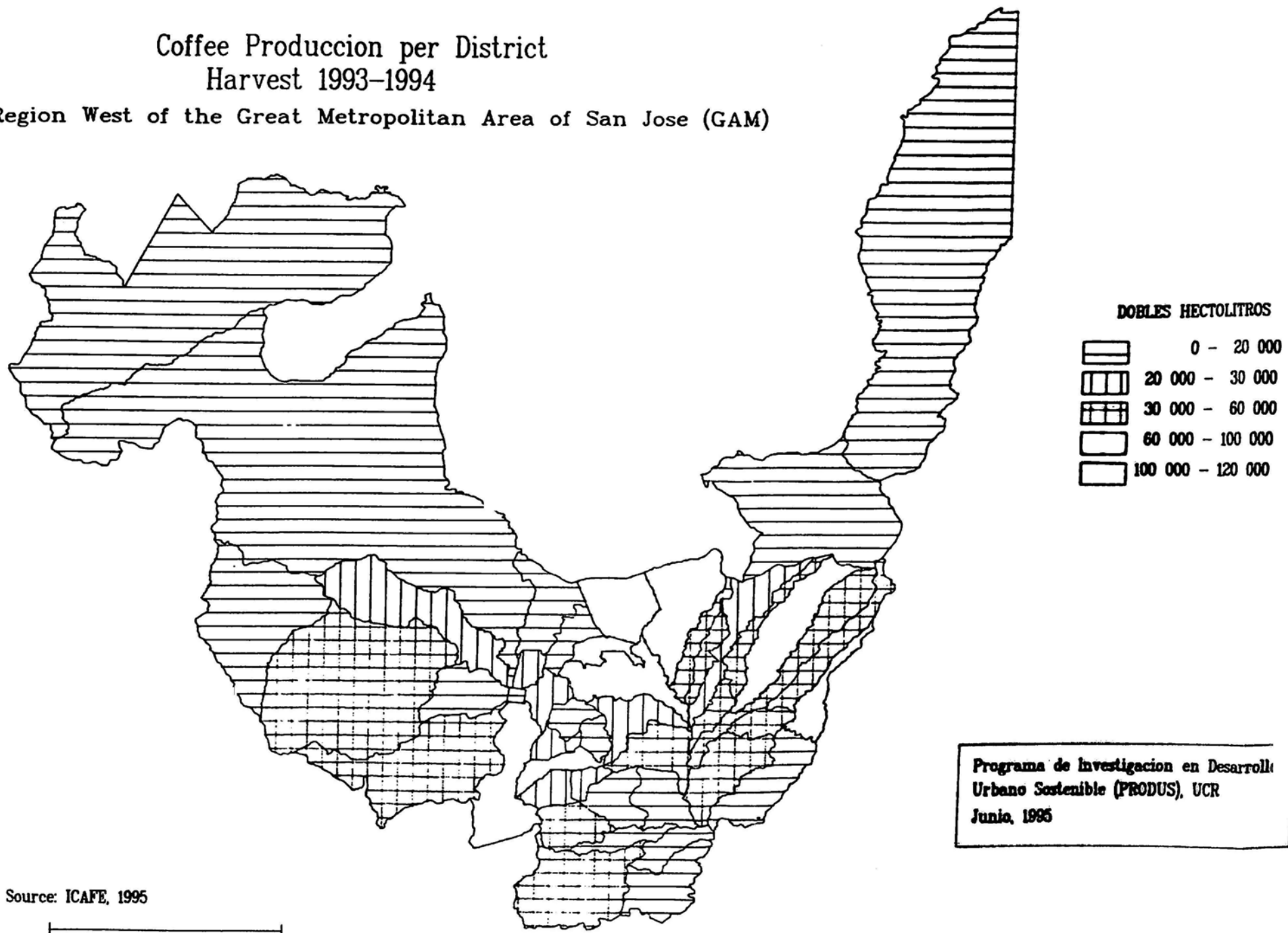
Source: 1984 Census

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 Urbano Sostenible (PRODUS), UCR
 Junio, 1985



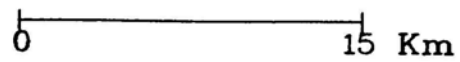
Coffee Production per District Harvest 1993-1994

Region West of the Great Metropolitan Area of San Jose (GAM)



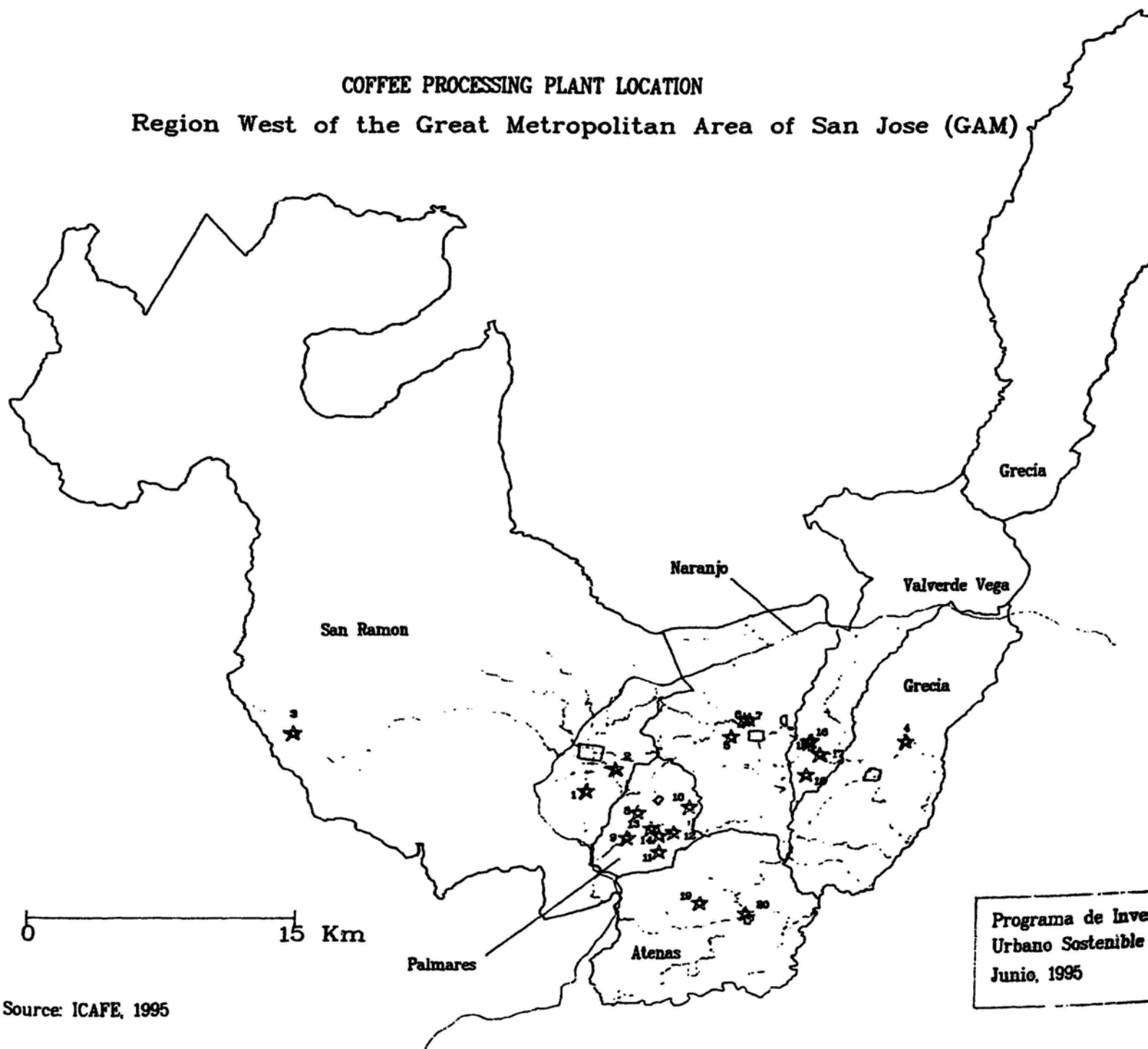
Programa de Investigacion en Desarrollo
Urbano Sostenible (PRODUS), UCR
Junio, 1995

Source: ICAFE, 1995



COFFEE PROCESSING PLANT LOCATION

Region West of the Great Metropolitan Area of San Jose (GAM)



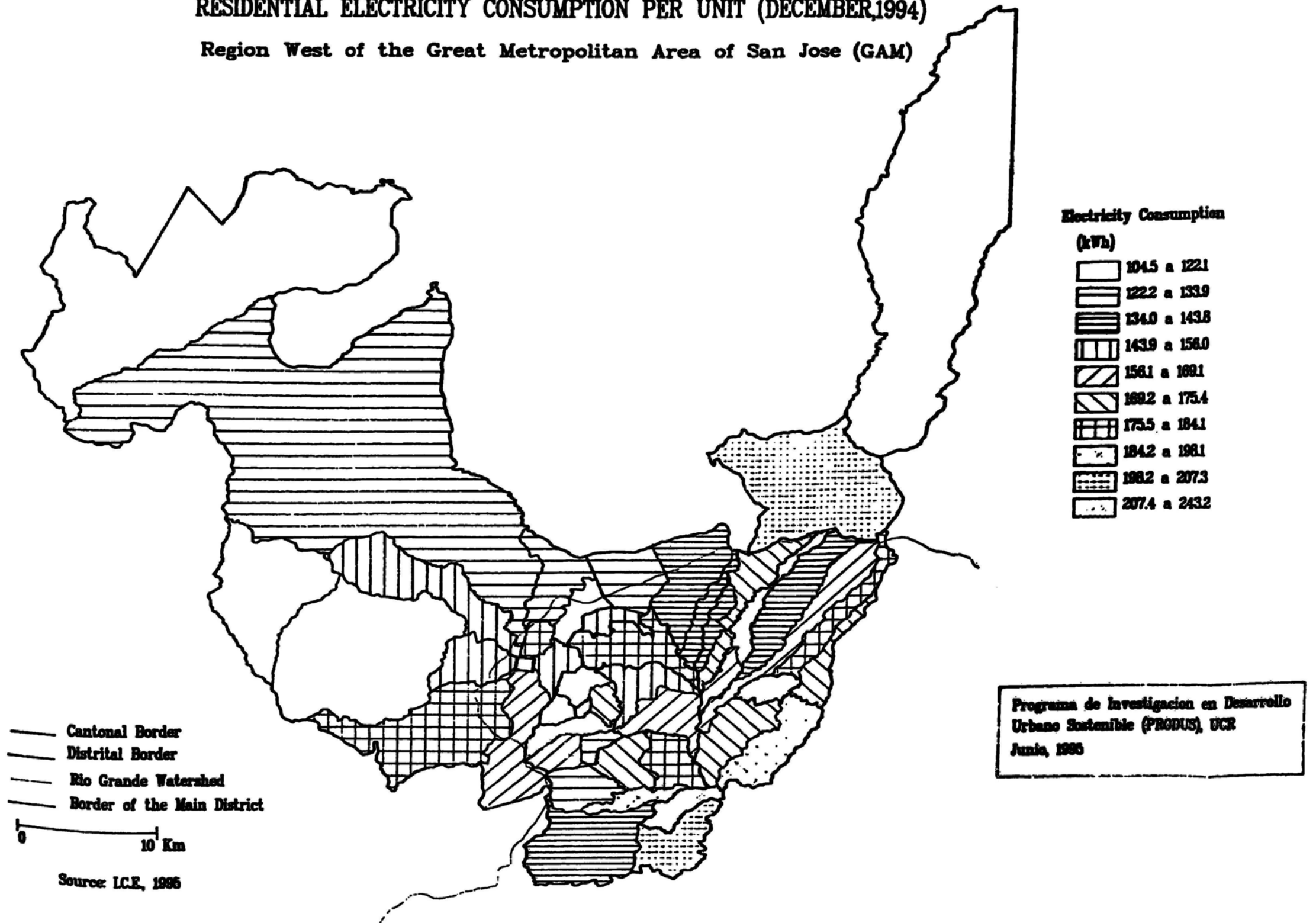
- 1 BENEFICIADORA DE OCCIDENTE S.A.
- 2 COOP. DE CAFIC. Y SERV. MULT. RAMONENSE RL
- 3 CIA CAFET. EL IMPERIO SA
- 4 COOP. AGRIC. IND. VICTORIA SA
- 5 CAFETALERA PILAS SA
- 6 COOP. DE CAFE Y SERV. MULT. DE NARANJO RL
- 7 COOP. DE CAFE Y SERV. MULT. DE NARANJO RL
- 8 LA MESETA SA
- 9 CAFETALERA LOMAS AL RIO SA
- 10 CAFET. ROJAS SALAS SA
- 11 CAFET. TIERRA SA
- 12 COOP. DE CAFIC. DE PALMARES RL
- 13 COOP. DE CAFIC. DE PALMARES RL
- 14 F. J. ORLICH Y HNOS LTDA.
- 15 PETERS SA (LA EVA)
- 16 PETERS SA (LA LUISA)
- 17 PETERS SA (LAS TAJOS)
- 18 SOCIEDAD AGRIC. IND. RIO BARRANCA SA
- 19 COOP. AGRIC. IND. Y DE SERV. MULT. DE ATENAS RL
- 20 ROLANDO ROJAS Y CIA SA

- Cantonal Border
- National Roads
- Rio Grande Watershed
- Cities
- ★ Coffee Processing Plant

Programa de Investigacion en Desarrollo Urbano Sostenible (PRODUS), UCR
Junio, 1995

RESIDENTIAL ELECTRICITY CONSUMPTION PER UNIT (DECEMBER, 1994)

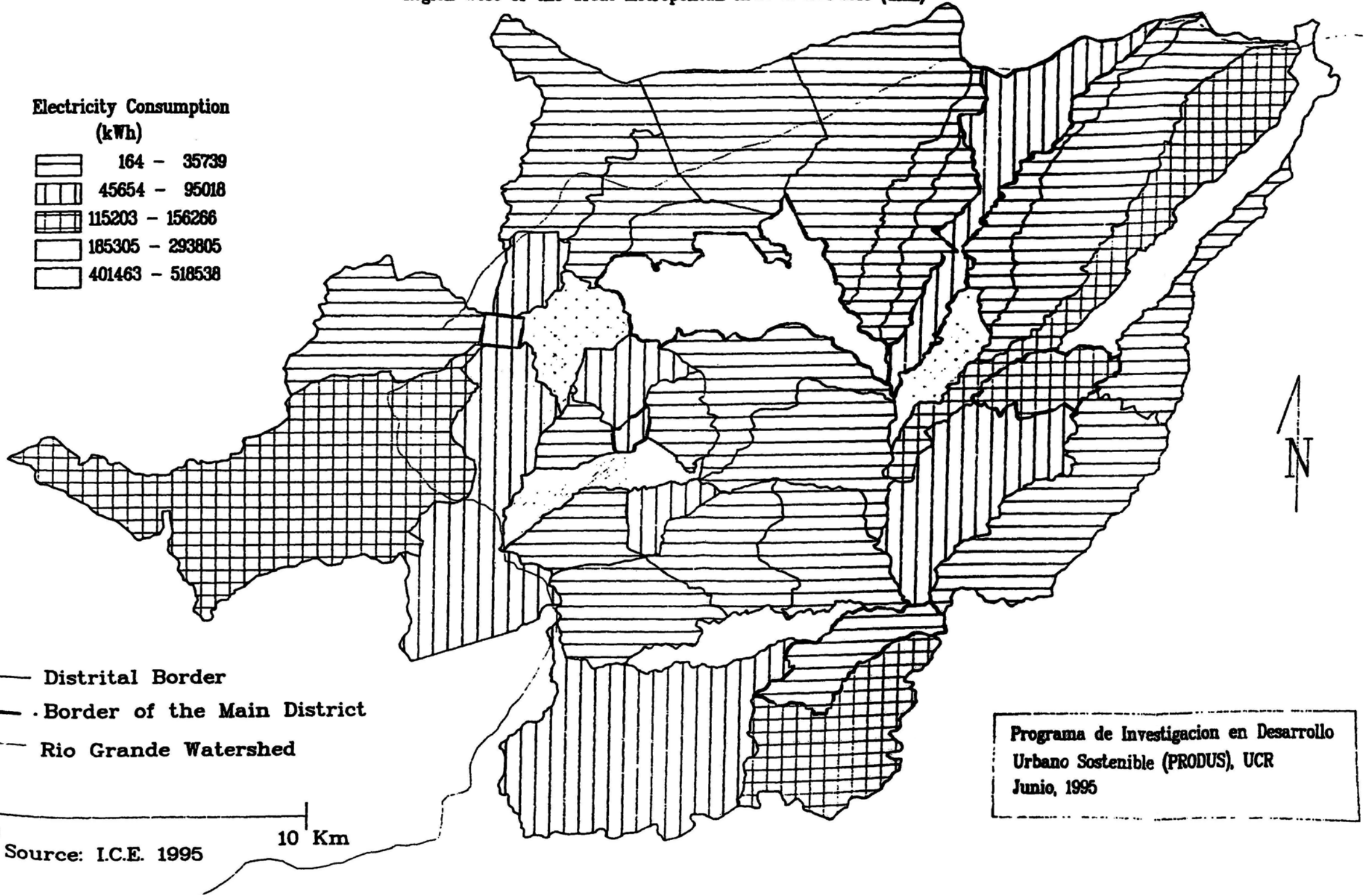
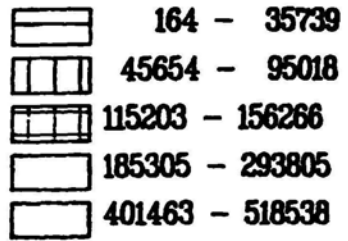
Region West of the Great Metropolitan Area of San Jose (GAM)



INDUSTRIAL ELECTRICITY CONSUMPTION (DECEMBER, 1994)

Region West of the Great Metropolitan Area of San Jose (GAM)

Electricity Consumption
(kWh)



— Distrital Border

- - - Border of the Main District

- - - Rio Grande Watershed

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Urbano Sostenible (PRODUS), UCR
Junio, 1995

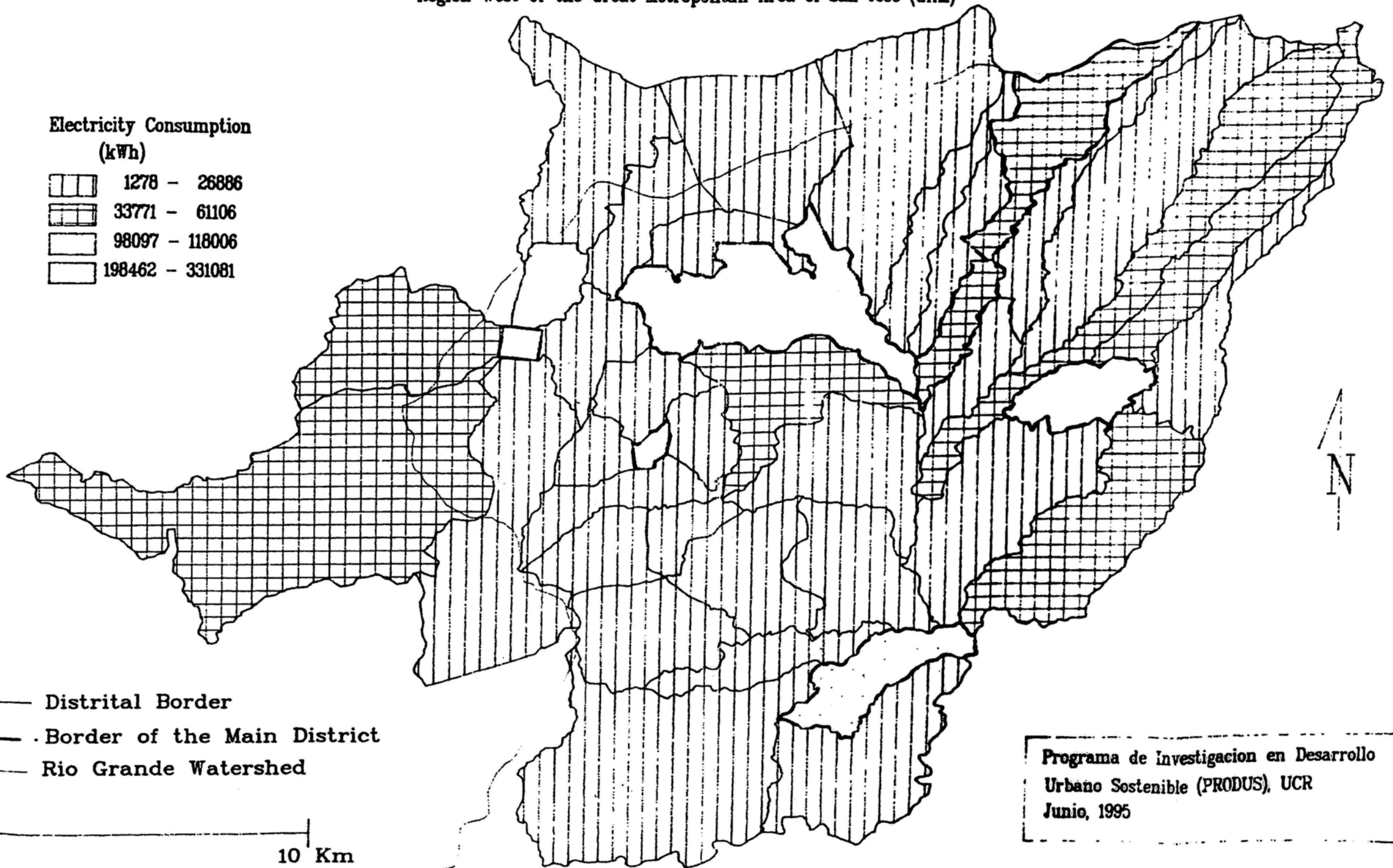
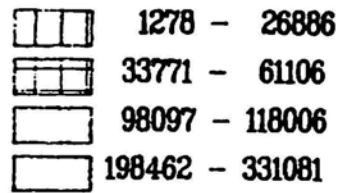
Source: I.C.E. 1995

10 Km

COMMERCIAL ELECTRICITY CONSUMPTION (DECEMBER, 1994)

Region West of the Great Metropolitan Area of San Jose (GAM)

Electricity Consumption
(kWh)



— Distrital Border

- - - Border of the Main District

- · - · - Rio Grande Watershed

Programa de Investigacion en Desarrollo
Urbano Sostenible (PRODUS), UCR
Junio, 1995

Source: I.C.E. 1995

ANNEX N

TABLES

**ESTRUCTURA OCUPACIONAL POR SECTOR, SEXO y CANTÓN
ZONA OCCIDENTE, SEGUN CCSS, 1993**

| SECTOR | SEXO | San Ramón | Grecia | Atenas | Naranjo | Palmares | Valverde Vega | TOTAL |
|---------------|---------|-------------|-------------|-------------|-------------|-------------|---------------|--------------|
| Empresa | hombres | 2382 | 3711 | 552 | 1273 | 1542 | 762 | 10202 |
| Privada | mujeres | 1167 | 1780 | 300 | 583 | 939 | 96 | 4885 |
| Servicio | hombres | 1 | 4 | 0 | 0 | 1 | 0 | 6 |
| Domestico | mujeres | 89 | 68 | 29 | 7 | 48 | 5 | 246 |
| Instituciones | hombres | 114 | 128 | 89 | 88 | 42 | 20 | 481 |
| Autónomas | mujeres | 82 | 24 | 32 | 12 | 10 | 3 | 183 |
| Gobierno | hombres | 430 | 707 | 237 | 514 | 628 | 78 | 2892 |
| Central | mujeres | 849 | 1318 | 328 | 78 | 757 | 195 | 3523 |
| Cuenta | hombres | 1002 | 2358 | 572 | 448 | 715 | 704 | 5797 |
| Propia | mujeres | 364 | 694 | 203 | 198 | 223 | 305 | 1957 |
| **Convenios | hombres | 2429 | 1801 | 1204 | 1548 | 881 | 341 | 8002 |
| Especiales | mujeres | 224 | 212 | 195 | 288 | 185 | 49 | 1181 |
| TOTAL | hombres | 5908 | 7800 | 2417 | 3335 | 3181 | 1827 | 24488 |
| | mujeres | 2775 | 4088 | 1087 | 1182 | 2172 | 653 | 11815 |

Fuente: Estadística de Patronos, Trabajadores y Salarios 1993
Departamento de estadística. Sección estadísticas de seguridad social

**Convenios Especiales: Corresponden a Grupos de trabajos independientes organizados
La relación de aseguramiento se establece por medio de la organización
jurídica a la cual pertenecen

**NÚMERO DE INDUSTRIAS EN REGIMEN DE MAQUILA
CÓDIGO CIU POR CANTÓN, ZONA DE OCCIDENTE**

| CIU | San Ramón | Grecia | Atenas | Naranjo | Palmares | ValverdeVega | TOTAL |
|--------------|-----------|----------|----------|----------|----------|--------------|----------|
| 3211 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3219 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 3229 | 0 | 4 | 3 | 0 | 2 | 0 | 15 |
| 3319 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3831 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3839 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3901 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3909 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 0 | 4 | 3 | 1 | 2 | 0 | 0 |

fuentes: MEIC (Ministerio de Economía, Industria y Comercio)

**TRABAJADORES ASEGURADOS POR AÑO, ZONA DE OCCIDENTE
SEGURO DE ENFERMEDAD Y MATERNIDAD**

| AÑO | San Ramón | Grecia | Atenas | Naranjo | Palmares | Valverde Vega | Total |
|------------|------------------|---------------|---------------|----------------|-----------------|----------------------|--------------|
| 1965 | 1550 | 3304 | 146 | 1361 | 859 | 840 | 8060 |
| 1970 | 1838 | 4149 | 326 | 1751 | 1019 | 805 | 9888 |
| 1973 | 2511 | 4084 | 608 | 1899 | 1264 | 933 | 11299 |
| 1975 | 2731 | 4326 | 666 | 2122 | 1521 | 987 | 12353 |
| 1980 | 4517 | 7111 | 2252 | 3730 | 2862 | 2011 | 22483 |
| 1984 | 5042 | 5437 | 1908 | 3654 | 2664 | 1207 | 19912 |
| 1985 | 6009 | 7893 | 2918 | 4406 | 3549 | 2344 | 27119 |
| 1989 | 7599 | 8678 | 3329 | 5097 | 4451 | 2253 | 31407 |
| 1990 | 7681 | 10513 | 3531 | 5161 | 5518 | 2329 | 34733 |
| 1991 | 6934 | 10544 | 3511 | 5184 | 5588 | 2378 | 34139 |
| 1992 | 7479 | 11218 | 3742 | 5020 | 5973 | 2582 | 36014 |
| 1993 | 9113 | 12573 | 3741 | 5011 | 5981 | 2556 | 38975 |

INCREMENTO RELATIVO DE TRABAJADORES

| AÑO | San Ramón | Grecia | Atenas | Naranjo | Palmares | Valverde Vega | Total |
|------------|------------------|---------------|---------------|----------------|-----------------|----------------------|--------------|
| 1965 | "" | "" | "" | "" | "" | "" | "" |
| 1970 | 288 | 845 | 180 | 390 | 160 | -35 | 1828 |
| 1973 | 673 | -65 | 282 | 148 | 245 | 128 | 1411 |
| 1975 | 220 | 242 | 58 | 223 | 257 | 54 | 1054 |
| 1980 | 1786 | 2785 | 1586 | 1608 | 1341 | 1024 | 10130 |
| 1984 | 525 | -1674 | -344 | -76 | -198 | -804 | -2571 |
| 1985 | 967 | 2456 | 1010 | 752 | 885 | 1137 | 7207 |
| 1989 | 1590 | 785 | 411 | 691 | 902 | -91 | 4288 |
| 1990 | 82 | 1835 | 202 | 64 | 1067 | 76 | 3326 |
| 1991 | -747 | 31 | -20 | 23 | 70 | 49 | -594 |
| 1992 | 545 | 674 | 231 | -164 | 385 | 204 | 1875 |
| 1993 | 1634 | 1355 | -1 | -9 | 8 | -26 | 2961 |

PORCENTAJE DE INCREMENTO RELATIVO

| AÑO | San Ramón | Grecia | Atenas | Naranjo | Palmares | Valverde Vega | Total |
|------------|------------------|---------------|---------------|----------------|-----------------|----------------------|--------------|
| 1965 | "" | "" | "" | "" | "" | "" | "" |
| 1970 | 18,58% | 25,58% | 123,29% | 28,66% | 18,63% | -4,17% | 22,68% |
| 1973 | 36,62% | -1,57% | 86,50% | 8,45% | 24,04% | 15,90% | 14,27% |
| 1975 | 8,76% | 5,93% | 9,54% | 11,74% | 20,33% | 5,79% | 9,33% |
| 1980 | 65,40% | 84,38% | 238,14% | 75,78% | 88,17% | 103,75% | 82,00% |
| 1984 | 11,62% | -23,54% | -15,28% | -2,04% | -6,92% | -39,98% | -11,44% |
| 1985 | 19,16% | 45,17% | 52,94% | 20,58% | 33,22% | 94,20% | 36,19% |
| 1989 | 26,46% | 9,95% | 14,08% | 15,68% | 25,42% | -3,88% | 15,81% |
| 1990 | 1,08% | 21,15% | 6,07% | 1,26% | 23,97% | 3,37% | 10,59% |
| 1991 | -9,73% | 0,29% | -0,57% | 0,45% | 1,27% | 2,10% | -1,71% |
| 1992 | 7,86% | 6,39% | 6,58% | -3,16% | 6,89% | 8,58% | 5,49% |
| 1993 | 21,85% | 12,08% | -0,03% | -0,18% | 0,13% | -1,01% | 8,22% |

**POBLACIÓN ECONÓMICAMENTE ACTIVA
TRABAJADORES, POBLACION y PORCENTAJE por CANTÓN**

AÑO 1973

| | San Ramón | Grecia | Atenas | Naranjo | Palmares | Valverde Vega |
|--------------|-----------|--------|--------|---------|----------|---------------|
| TRABAJADORES | 2511 | 4084 | 608 | 1899 | 1264 | 933 |
| POBLACIÓN | 51033 | 49172 | 19766 | 30264 | 23200 | 13265 |
| PORCENTAJE | 4,92% | 8,31% | 3,08% | 6,27% | 5,45% | 7,03% |

AÑO 1984

| | San Ramón | Grecia | Atenas | Naranjo | Palmares | Valverde Vega |
|--------------|-----------|--------|--------|---------|----------|---------------|
| TRABAJADORES | 5042 | 5437 | 1908 | 3654 | 2664 | 1207 |
| POBLACIÓN | 65989 | 62700 | 24976 | 38838 | 27506 | 17385 |
| PORCENTAJE | 7,64% | 8,67% | 7,64% | 9,41% | 9,69% | 6,94% |

AÑO 1985

| | San Ramón | Grecia | Atenas | Naranjo | Palmares | Valverde Vega |
|--------------|-----------|--------|--------|---------|----------|---------------|
| TRABAJADORES | 6009 | 7893 | 2918 | 4406 | 3549 | 2344 |
| POBLACIÓN | 43750 | 47812 | 16429 | 25692 | 19963 | 14074 |
| PORCENTAJE | 13,73% | 16,51% | 17,76% | 17,15% | 17,78% | 16,65% |

AÑO 1993

| | San Ramón | Grecia | Atenas | Naranjo | Palmares | Valverde Vega |
|--------------|-----------|--------|--------|---------|----------|---------------|
| TRABAJADORES | 9113 | 12573 | 3741 | 5011 | 5981 | 2556 |
| POBLACIÓN | 59999 | 50077 | 18728 | 31031 | 22981 | 14167 |
| PORCENTAJE | 15,19% | 25,11% | 19,98% | 16,15% | 26,03% | 18,04% |

Fuente: _ Estadística de Patronos, Trabajadores y Salarios 1993
 Departamento de estadística. Sección estadísticas de seguridad social
 _ Costa Rica cálculo de población por provincia, cantón y distrito del 93
 Dirección General de Estadística y Censo. Sección estadísticas vitales.
 _ Estimación y Proyección de Población Nacional por sexo y edad de 1975 al 2000
 MIDEPLAN, CELAE y Dirección General de Estadística y Censo

**NÚMERO DE INDUSTRIAS Y EMPLEADOS POR CANTÓN
ZONA DE OCCIDENTE, MARZO 1995**

SAN RAMON

| CIU | INDUSTRIAS | %INDUST. | EMPLEADOS | %EMPL |
|--------------|------------|----------------|-------------|--------|
| 31 | 28 | 26,70% | 247 | 12,90% |
| 32 | 24 | 22,90% | 1374 | 71,79% |
| 33 | 18 | 17,10% | 180 | 9,40% |
| 34 | 2 | 1,90% | 8 | 0,42% |
| 35 | 0 | 0,00% | 0 | 0,00% |
| 36 | 6 | 5,70% | 16 | 0,84% |
| 37 | 1 | 1,00% | 1 | 0,05% |
| 38 | 14 | 13,30% | 43 | 2,25% |
| 39 | 12 | 11,40% | 45 | 2,35% |
| TOTAL | 105 | 100,00% | 1914 | |

GRECIA

| CIU | INDUSTRIAS | %INDUST. | EMPLEADOS | %EMPL |
|--------------|------------|----------------|-------------|--------|
| 31 | 28 | 32,90% | 684 | 25,05% |
| 32 | 13 | 15,30% | 1712 | 62,69% |
| 33 | 11 | 12,90% | 241 | 8,82% |
| 34 | 1 | 1,20% | 1 | 0,04% |
| 35 | 2 | 2,40% | 7 | 0,26% |
| 36 | 2 | 2,40% | 6 | 0,22% |
| 37 | 0 | 0,00% | 0 | 0,00% |
| 38 | 27 | 31,80% | 78 | 2,86% |
| 39 | 1 | 1,20% | 2 | 0,07% |
| TOTAL | 85 | 100,00% | 2731 | |

ATENAS

| CIU | INDUSTRIAS | %INDUST. | EMPLEADOS | %EMPL. |
|--------------|------------|----------------|------------|--------|
| 31 | 11 | 47,80% | 134 | 24,36% |
| 32 | 3 | 13,00% | 392 | 71,27% |
| 33 | 5 | 21,70% | 18 | 3,27% |
| 34 | 1 | 4,30% | 3 | 0,55% |
| 35 | 0 | 0,00% | 0 | 0,00% |
| 36 | 0 | 0,00% | 0 | 0,00% |
| 37 | 1 | 4,30% | 1 | 0,18% |
| 38 | 1 | 4,30% | 1 | 0,18% |
| 39 | 1 | 4,30% | 1 | 0,18% |
| TOTAL | 23 | 100,00% | 550 | |

NARANJO

| CIU | INDUSTRIAS | %INDUST. | EMPLEADOS | %EMPL |
|--------------|------------|----------------|------------|--------|
| 31 | 10 | 34,50% | 321 | 42,18% |
| 32 | 3 | 10,30% | 392 | 51,51% |
| 33 | 7 | 24,10% | 23 | 3,02% |
| 34 | 0 | 0,00% | 0 | 0,00% |
| 35 | 0 | 0,00% | 0 | 0,00% |
| 36 | 3 | 10,30% | 11 | 1,45% |
| 37 | 0 | 0,00% | 0 | 0,00% |
| 38 | 5 | 17,20% | 13 | 1,71% |
| 39 | 1 | 3,40% | 1 | 0,13% |
| TOTAL | 29 | 100,00% | 761 | |

PALMARES

| CIU | INDUSTRIAS | %INDUST. | EMPLEADOS | %EMPL |
|--------------|------------|----------------|-------------|--------|
| 31 | 17 | 19,50% | 1226 | 49,26% |
| 32 | 11 | 12,60% | 1062 | 42,67% |
| 33 | 49 | 56,30% | 158 | 6,35% |
| 34 | 1 | 1,10% | 5 | 0,20% |
| 35 | 2 | 2,30% | 13 | 0,52% |
| 36 | 3 | 3,40% | 21 | 0,84% |
| 37 | 0 | 0,00% | 0 | 0,00% |
| 38 | 4 | 4,60% | 4 | 0,16% |
| 39 | 0 | 0,00% | 0 | 0,00% |
| TOTAL | 87 | 100,00% | 2489 | |

VALVERDE VEGA

| CIU | INDUSTRIAS | %INDUST. | EMPLEADOS | %EMPL |
|--------------|------------|----------------|------------|--------|
| 31 | 5 | 13,20% | 65 | 25,00% |
| 32 | 0 | 0,00% | 0 | 0,00% |
| 33 | 27 | 71,10% | 134 | 51,54% |
| 34 | 0 | 0,00% | 0 | 0,00% |
| 35 | 0 | 0,00% | 0 | 0,00% |
| 36 | 0 | 0,00% | 0 | 0,00% |
| 37 | 0 | 0,00% | 0 | 0,00% |
| 38 | 5 | 13,20% | 53 | 20,38% |
| 39 | 1 | 2,60% | 8 | 3,08% |
| TOTAL | 38 | 100,00% | 260 | |

Fuente: MEIC, CENTRO DE INFORMACION INDUSTRIAL

**NÚMERO DE INDUSTRIAS Y SALARIO PROMEDIO POR EMPLEADO POR CANTÓN
ZONA DE OCCIDENTE, MARZO 1995**

| SAN RAMON | | | | GRECIA | | | | ATENAS | | | |
|------------------|-------------------|------------------|----------------------|---------------|-------------------|------------------|----------------------|---------------|-------------------|------------------|----------------------|
| CIU | INDUSTRIAS | EMPLEADOS | SAL/EMP(EN €) | CIU | INDUSTRIAS | EMPLEADOS | SAL/EMP(EN €) | CIU | INDUSTRIAS | EMPLEADOS | SAL/EMP(EN €) |
| 31 | 28 | 247 | 28878 | 31 | 28 | 684 | 54619 | 31 | 11 | 134 | 38327 |
| 32 | 24 | 1374 | 43122 | 32 | 13 | 1712 | 43214 | 32 | 3 | 392 | 54880 |
| 33 | 18 | 180 | 29633 | 33 | 11 | 241 | 24720 | 33 | 5 | 18 | 32268 |
| 34 | 2 | 8 | 37644 | 34 | 1 | 1 | 0 | 34 | 1 | 3 | 0 |
| 35 | 0 | 0 | 0 | 35 | 2 | 7 | 17647 | 35 | 0 | 0 | 0 |
| 36 | 6 | 16 | 26419 | 36 | 2 | 6 | 22508 | 36 | 0 | 0 | 0 |
| 37 | 1 | 1 | 0 | 37 | 0 | 0 | 0 | 37 | 1 | 1 | 0 |
| 38 | 14 | 43 | 31721 | 38 | 27 | 78 | 33439 | 38 | 1 | 1 | 0 |
| 39 | 12 | 45 | 23236 | 39 | 1 | 2 | 0 | 39 | 1 | 1 | 0 |
| TOTAL | 105 | 1914 | 39106 | TOTAL | 85 | 2731 | 44001 | TOTAL | 23 | 550 | 49508 |

| NARANJO | | | | PALMARES | | | | VALVERDE VEGA | | | |
|----------------|-------------------|------------------|----------------------|-----------------|-------------------|------------------|----------------------|----------------------|-------------------|------------------|----------------------|
| CIU | INDUSTRIAS | EMPLEADOS | SAL/EMP(EN €) | CIU | INDUSTRIAS | EMPLEADOS | SAL/EMP(EN €) | CIU | INDUSTRIAS | EMPLEADOS | SAL/EMP(EN €) |
| 31 | 10 | 321 | 45348 | 31 | 17 | 1226 | 31383 | 31 | 5 | 65 | 48666 |
| 32 | 3 | 392 | 32329 | 32 | 11 | 1062 | 44963 | 32 | 0 | 0 | 0 |
| 33 | 7 | 23 | 38245 | 33 | 49 | 158 | 32039 | 33 | 27 | 134 | 26696 |
| 34 | 0 | 0 | 0 | 34 | 1 | 5 | 0 | 34 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 35 | 2 | 13 | 39392 | 35 | 0 | 0 | 0 |
| 36 | 3 | 11 | 28696 | 36 | 3 | 21 | 31344 | 36 | 0 | 0 | 0 |
| 37 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 37 | 0 | 0 | 0 |
| 38 | 5 | 13 | 26388 | 38 | 4 | 4 | 33280 | 38 | 5 | 53 | 43220 |
| 39 | 1 | 1 | 0 | 39 | 0 | 0 | 0 | 39 | 1 | 8 | 0 |
| TOTAL | 29 | 761 | 37803 | TOTAL | 87 | 2489 | 37201 | TOTAL | 38 | 260 | 34735 |

Fuente: MEIC, CENTRO DE INFORMACION INDUSTRIAL

Estructura ocupacional
Zona de Occidente
 Censo de 1993

Seguro de enfermedad y maternidad

| SECTOR CANTÓN | Empresa Privada | | Servicio Domestico | | Instituciones Autónomas | | Gobierno Central | | Cuenta Propia | | Convenios especiales | | TOTALES Ambos sexos |
|------------------|-----------------|---------|--------------------|---------|-------------------------|---------|------------------|---------|---------------|---------|----------------------|---------|------------------------|
| | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | |
| San Ramón | 2362 | 1167 | 1 | 89 | 114 | 82 | 430 | 849 | 1002 | 364 | 2429 | 224 | 9113 |
| Grecia | 3711 | 1780 | 4 | 68 | 128 | 24 | 707 | 1318 | 2356 | 664 | 1601 | 212 | 12573 |
| Atenas | 552 | 300 | 0 | 29 | 89 | 32 | 237 | 328 | 572 | 203 | 1204 | 195 | 3741 |
| Naranjo | 1273 | 583 | 0 | 7 | 68 | 12 | 514 | 76 | 448 | 198 | 1546 | 286 | 5011 |
| Palmares | 1542 | 939 | 1 | 48 | 42 | 10 | 628 | 757 | 715 | 223 | 881 | 195 | 5981 |
| Valverde Vega | 762 | 96 | 0 | 5 | 20 | 3 | 76 | 195 | 704 | 305 | 341 | 49 | 2558 |

Seguro de invalidez, vejez y muerte

| SECTOR CANTÓN | Empresa Privada | | Servicio Domestico | | Instituciones Autónomas | | Gobierno Central | | Cuenta Propia | | Convenios especiales | | TOTALES Ambos sexos |
|------------------|-----------------|---------|--------------------|---------|-------------------------|---------|------------------|---------|---------------|---------|----------------------|---------|------------------------|
| | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | |
| San Ramón | 2356 | 1154 | 1 | 88 | 144 | 82 | 157 | 309 | 60 | 32 | 61 | 39 | 4483 |
| Grecia | 3709 | 1780 | 4 | 68 | 127 | 22 | 257 | 480 | 133 | 19 | 27 | 5 | 6631 |
| Atenas | 550 | 300 | 0 | 29 | 20 | 7 | 86 | 119 | 36 | 9 | 8 | 0 | 1164 |
| Naranjo | 1273 | 583 | 0 | 7 | 68 | 12 | 187 | 28 | 32 | 7 | 15 | 4 | 2216 |
| Palmares | 1542 | 939 | 1 | 48 | 42 | 10 | 229 | 276 | 58 | 21 | 16 | 5 | 3187 |
| Valverde Vega | 762 | 96 | 0 | 5 | 20 | 3 | 28 | 71 | 22 | 0 | 7 | 1 | 1015 |

NUMERO DE INDUSTRIAS Y EMPLEADOS POR CANTON EN LA PROVINCIA DE ALAJUELA

Marzo de 1995

| CIU | Cantón Código | Central | San Ramón | Grecia | San Mateo | Atenas | Naranjo | Palmares | Poás | Orotina | San Carlos | Altaro Ruiz | Valverde Vega | Upala | Los Chiles | Gualuso | TOTAL: |
|-----|------------------|---------|-----------|--------|-----------|--------|---------|----------|------|---------|------------|-------------|---------------|-------|------------|---------|--------|
| | | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | |
| | Nº Industrias | 97 | 28 | 28 | 4 | 11 | 10 | 17 | 4 | 6 | 34 | 2 | 5 | 1 | 3 | 1 | 251 |
| 31 | Nº Empleados | 4004 | 247 | 684 | 163 | 134 | 321 | 1226 | 285 | 33 | 751 | 6 | 65 | 3 | 13 | 2 | 7937 |
| | Nº Industrias | 67 | 24 | 13 | 0 | 3 | 3 | 11 | 4 | 0 | 9 | 1 | 0 | 0 | 0 | 0 | 135 |
| 32 | Nº Empleados | 4032 | 1374 | 1712 | 0 | 392 | 392 | 1062 | 252 | 0 | 33 | 1 | 0 | 0 | 0 | 0 | 9250 |
| | Nº Industrias | 35 | 18 | 11 | 0 | 5 | 7 | 49 | 3 | 1 | 42 | 2 | 2 | 27 | 5 | 0 | 206 |
| 33 | Nº Empleados | 396 | 180 | 241 | 0 | 18 | 23 | 158 | 4 | 6 | 691 | 10 | 134 | 17 | 0 | 3 | 1881 |
| | Nº Industrias | 9 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 19 |
| 34 | Nº Empleados | 103 | 8 | 1 | 0 | 3 | 0 | 5 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 147 |
| | Nº Industrias | 22 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 29 |
| 35 | Nº Empleados | 1021 | 0 | 7 | 0 | 0 | 0 | 13 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 1056 |
| | Nº Industrias | 33 | 6 | 2 | 0 | 0 | 3 | 3 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 54 |
| 36 | Nº Empleados | 485 | 16 | 6 | 0 | 0 | 11 | 21 | 9 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 582 |
| | Nº Industrias | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 37 | Nº Empleados | 28 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| | Nº Industrias | 52 | 14 | 27 | 1 | 1 | 5 | 4 | 2 | 2 | 24 | 1 | 5 | 0 | 0 | 0 | 138 |
| 38 | Nº Empleados | 2055 | 43 | 78 | 1 | 1 | 13 | 4 | 4 | 3 | 48 | 2 | 53 | 0 | 0 | 0 | 2305 |
| | Nº Industrias | 4 | 12 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 23 |
| 39 | Nº Empleados | 147 | 45 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 60 | 0 | 8 | 0 | 0 | 0 | 264 |
| | Total Industrias | 322 | 105 | 85 | 5 | 23 | 29 | 87 | 14 | 9 | 126 | 6 | 38 | 6 | 3 | 2 | 860 |
| | Total Empleados | 12271 | 1914 | 2731 | 164 | 550 | 761 | 2489 | 554 | 42 | 1659 | 19 | 260 | 20 | 13 | 5 | 23452 |

| CIU | Cantón Código | Central | San Ramón | Grecia | San Mateo | Atenas | Naranjo | Palmares | Poás | Orotina | San Carlos | Altaro Ruiz | Valverde Vega | Upala | Los Chiles | Gualuso | TOTAL: |
|-----|------------------|---------|-----------|--------|-----------|--------|---------|----------|------|---------|------------|-------------|---------------|-------|------------|---------|--------|
| | | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | |
| | Nº Industrias | 39% | 11% | 11% | 2% | 4% | 4% | 7% | 2% | 2% | 14% | 1% | 2% | 0% | 1% | 0% | 100% |
| 31 | Nº Empleados | 50% | 3% | 9% | 2% | 2% | 4% | 15% | 4% | 0% | 9% | 0% | 1% | 0% | 0% | 0% | 100% |
| | Nº Industrias | 50% | 18% | 10% | 0% | 2% | 2% | 8% | 3% | 0% | 7% | 1% | 0% | 0% | 0% | 0% | 100% |
| 32 | Nº Empleados | 44% | 15% | 19% | 0% | 4% | 4% | 11% | 3% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% |
| | Nº Industrias | 17% | 9% | 5% | 0% | 2% | 3% | 24% | 1% | 0% | 20% | 1% | 13% | 2% | 0% | 0% | 100% |
| 33 | Nº Empleados | 21% | 10% | 13% | 0% | 1% | 1% | 8% | 0% | 0% | 37% | 1% | 7% | 1% | 0% | 0% | 100% |
| | Nº Industrias | 47% | 11% | 5% | 0% | 5% | 0% | 5% | 0% | 0% | 26% | 0% | 0% | 0% | 0% | 0% | 100% |
| 34 | Nº Empleados | 70% | 5% | 1% | 0% | 2% | 0% | 3% | 0% | 0% | 18% | 0% | 0% | 0% | 0% | 0% | 100% |
| | Nº Industrias | 78% | 0% | 7% | 0% | 0% | 0% | 7% | 0% | 0% | 10% | 0% | 0% | 0% | 0% | 0% | 100% |
| 35 | Nº Empleados | 97% | 0% | 1% | 0% | 0% | 0% | 1% | 0% | 0% | 1% | 0% | 0% | 0% | 0% | 0% | 100% |
| | Nº Industrias | 61% | 11% | 4% | 0% | 0% | 6% | 6% | 2% | 0% | 11% | 0% | 0% | 0% | 0% | 0% | 100% |
| 36 | Nº Empleados | 83% | 3% | 1% | 0% | 0% | 2% | 4% | 2% | 0% | 6% | 0% | 0% | 0% | 0% | 0% | 100% |
| | Nº Industrias | 60% | 20% | 0% | 0% | 20% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% |
| 37 | Nº Empleados | 93% | 3% | 0% | 0% | 3% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% |
| | Nº Industrias | 38% | 10% | 20% | 1% | 1% | 4% | 3% | 1% | 1% | 17% | 1% | 4% | 0% | 0% | 0% | 100% |
| 38 | Nº Empleados | 89% | 2% | 3% | 0% | 0% | 1% | 0% | 0% | 0% | 2% | 0% | 2% | 0% | 0% | 0% | 100% |
| | Nº Industrias | 17% | 52% | 4% | 0% | 4% | 4% | 0% | 0% | 0% | 13% | 0% | 4% | 0% | 0% | 0% | 100% |
| 39 | Nº Empleados | 56% | 17% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 23% | 0% | 3% | 0% | 0% | 0% | 100% |

Fuente:CCSS

NÚMERO DE TRABAJADORES SEGÚN GRUPO OCUPACIONAL

COSTA RICA

| | Total | | menos de 3/4 L | | de 3/4 a 1 L | | de 1 a 2 L | | de 2 a 3 L | | de 3 a 4 L | | 4 L y más | | Ignorado | |
|-----------------------|---------|---------|----------------|---------|--------------|---------|------------|---------|------------|---------|------------|---------|-----------|---------|----------|---------|
| | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres |
| Profesionales y Tec. | 49188 | 47290 | 694 | 480 | 1184 | 180 | 7890 | 5012 | 7793 | 6898 | 5127 | 6741 | 16804 | 18270 | 9696 | 9709 |
| Direct Gerent y Adm | 21984 | 7363 | - | - | 632 | 132 | 2511 | 394 | 4564 | 915 | 2957 | 647 | 7225 | 2930 | 4095 | 2345 |
| Empl Estado Autom | 45847 | 45126 | 1046 | 450 | 1672 | 1558 | 10825 | 7654 | 9515 | 8113 | 5513 | 6819 | 8525 | 10066 | 8751 | 10466 |
| Comerciantes y Vend | 42933 | 22818 | 2921 | 1677 | 3604 | 1144 | 11518 | 6394 | 7554 | 4427 | 4000 | 1644 | 4989 | 2876 | 8347 | 4656 |
| Agricul Ganad Etc. | 124436 | 6698 | 39251 | 1211 | 18424 | 273 | 38725 | 2585 | 11713 | 757 | 2413 | 245 | 1971 | 203 | 11939 | 1424 |
| Ocup Relativ Transp | 30305 | 396 | 2488 | - | 2929 | - | 11220 | 396 | 5749 | - | 1690 | - | 1759 | - | 4470 | - |
| Ocup Prod Artesanal 1 | 113069 | 26358 | 11596 | 1071 | 12913 | 1196 | 38421 | 11223 | 20883 | 5679 | 9011 | 1893 | 3382 | 1007 | 16863 | 4289 |
| Ocup Prod Artesanal 2 | 31596 | 7884 | 1771 | 437 | 2082 | 1797 | 12941 | 2175 | 5691 | 1140 | 1847 | 395 | 1211 | 772 | 6053 | 1168 |
| Estiba Carga Almacen | 33184 | 10111 | 2056 | 650 | 2526 | 1063 | 11000 | 3825 | 5473 | 1495 | 2927 | 346 | 2762 | 470 | 6440 | 2262 |
| Ocup de los servicios | 59652 | 77036 | 5237 | 12132 | 5069 | 6722 | 22458 | 25374 | 9237 | 12544 | 5383 | 4147 | 3326 | 4069 | 8942 | 12048 |
| No bien Especificada | 7831 | 2050 | 221 | - | 317 | - | 1335 | 225 | 747 | 300 | 772 | 47 | 789 | 263 | 3650 | 1215 |

NÚMERO DE TRABAJADORES SEGÚN GRUPO OCUPACIONAL

REGION CENTRAL

| | Total | | menos de 3/4 L | | de 3/4 a 1 L | | de 1 a 2 L | | de 2 a 3 L | | de 3 a 4 L | | 4 L y más | | Ignorado | |
|-----------------------|---------|---------|----------------|---------|--------------|---------|------------|---------|------------|---------|------------|---------|-----------|---------|----------|---------|
| | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres |
| Profesionales y Tec. | 39085 | 34603 | 357 | 336 | 507 | - | 5205 | 2910 | 6113 | 3253 | 3576 | 4872 | 14949 | 15404 | 8378 | 7828 |
| Direct Gerent y Adm | 18082 | 6162 | - | - | 375 | 132 | 1787 | 263 | 3642 | 657 | 2483 | 244 | 6221 | 2921 | 3574 | 2045 |
| Empl Estado Autom | 36588 | 37531 | 489 | 113 | 1294 | 1146 | 7703 | 5579 | 7557 | 6987 | 4849 | 5751 | 7224 | 8686 | 7442 | 9269 |
| Comerciantes y Vend | 33688 | 17223 | 1953 | 844 | 2352 | 884 | 8911 | 4284 | 5982 | 3550 | 3608 | 1311 | 4062 | 2536 | 6820 | 3814 |
| Agricul Ganad Etc. | 47592 | 3270 | 12713 | 338 | 7161 | - | 16252 | 1577 | 4671 | 338 | 1144 | 113 | 489 | 113 | 5162 | 791 |
| Ocup Relativ Transp | 21588 | 396 | 1616 | - | 1781 | - | 7940 | 396 | 4619 | - | 1127 | - | 1278 | - | 3227 | - |
| Ocup Prod Artesanal 1 | 84257 | 25033 | 7023 | 1071 | 9424 | 978 | 26990 | 10633 | 17140 | 5569 | 7663 | 1893 | 2764 | 864 | 13253 | 4025 |
| Ocup Prod Artesanal 2 | 24528 | 6837 | 1182 | 113 | 1593 | 1797 | 9172 | 1766 | 5018 | 904 | 1721 | 395 | 1049 | 772 | 4793 | 1090 |
| Estiba Carga Almacen | 19199 | 5864 | 1068 | 113 | 1311 | 113 | 5281 | 2253 | 2876 | 825 | 1828 | 262 | 1726 | 374 | 5109 | 1924 |
| Ocup de los servicios | 42073 | 49265 | 3508 | 4971 | 2606 | 3935 | 15496 | 15782 | 7425 | 9686 | 3533 | 3647 | 2800 | 3482 | 6705 | 6762 |
| No bien Especificada | 6422 | 1804 | 112 | - | 112 | - | 977 | 225 | 639 | 264 | 772 | - | 659 | 263 | 1052 | - |

NÚMERO DE TRABAJADORES SEGÚN RAMA DE ACTIVIDAD

COSTA RICA

| | Total | | menos de 3/4 L | | de 3/4 a 1 L | | de 1 a 2 L | | de 2 a 3 L | | de 3 a 4 L | | 4 L y más | | Ignorado | |
|------------------------|---------|---------|----------------|---------|--------------|---------|------------|---------|------------|---------|------------|---------|-----------|---------|----------|---------|
| | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres |
| Agríc., Caza., Silvíc. | 135658 | 12396 | 40038 | 1557 | 18612 | 1039 | 43407 | 4552 | 13900 | 2057 | 3595 | 461 | 3494 | 744 | 12612 | 1986 |
| Expl. minas y canter | 1529 | - | 149 | - | 139 | - | 833 | - | 276 | - | 48 | - | 36 | - | 48 | - |
| Ind. manufactureras | 108558 | 49933 | 6128 | 2005 | 8756 | 3723 | 36429 | 17402 | 19543 | 8581 | 8390 | 4733 | 6947 | 3798 | 20385 | 9691 |
| Electric., gas y agua | 14661 | 2146 | 835 | - | 658 | 167 | 3967 | 591 | 1830 | 131 | 2400 | 36 | 2748 | 875 | 2223 | 346 |
| Construcción | 51965 | 1349 | 5914 | - | 6813 | - | 18594 | 347 | 8212 | 113 | 2983 | 112 | 2325 | 131 | 7124 | 646 |
| Comer. mayor y menor | 75861 | 48881 | 4391 | 3144 | 6984 | 2889 | 20866 | 14836 | 13954 | 10333 | 7038 | 3628 | 7694 | 5183 | 14934 | 8868 |
| Tramp. almac. comuni. | 34076 | 7014 | 2980 | - | 2240 | 132 | 9691 | 1470 | 7536 | 1248 | 3431 | 471 | 2808 | 2095 | 5390 | 1598 |
| Establoc. financieros | 28989 | 10761 | 1262 | 299 | 584 | 132 | 5562 | 1122 | 5398 | 1634 | 2605 | 1295 | 8233 | 3324 | 5345 | 2955 |
| Serv. comunales | 105120 | 117937 | 6356 | 10990 | 6196 | 5983 | 28592 | 24692 | 17406 | 17644 | 9971 | 11793 | 17883 | 24116 | 18716 | 22719 |
| No bien especificados | 5608 | 2713 | 228 | 113 | 370 | - | 903 | 245 | 864 | 527 | 179 | 395 | 576 | 660 | 2489 | 773 |

L : Límite de bienestar

NÚMERO DE TRABAJADORES SEGÚN RAMA DE ACTIVIDAD

REGION CENTRAL

| | Total | | menos de 3/4 L | | de 3/4 a 1 L | | de 1 a 2 L | | de 2 a 3 L | | de 3 a 4 L | | 4 L y más | | Ignorado | |
|------------------------|---------|---------|----------------|---------|--------------|---------|------------|---------|------------|---------|------------|---------|-----------|---------|----------|---------|
| | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres |
| Agríc., Caza., Silvíc. | 48782 | 4828 | 13164 | 226 | 6654 | - | 16144 | 1914 | 4913 | 921 | 1257 | 245 | 1524 | 375 | 5126 | 1147 |
| Expl. minas y canter | 621 | - | 113 | - | - | - | 508 | - | - | - | - | - | - | - | - | - |
| Ind. manufactureras | 87901 | 45546 | 3943 | 1523 | 6925 | 3243 | 28847 | 16021 | 16778 | 7991 | 8013 | 4429 | 5994 | 3346 | 17401 | 8993 |
| Electric., gas y agua | 9811 | 1692 | 245 | - | 357 | 131 | 2087 | 507 | 997 | - | 2004 | - | 2336 | 791 | 1785 | 263 |
| Construcción | 37630 | 1146 | 4206 | - | 4300 | - | 12096 | 263 | 7217 | 113 | 2436 | 112 | 2126 | 131 | 5247 | 527 |
| Comer. mayor y menor | 56244 | 34277 | 2272 | 974 | 4168 | 1636 | 14511 | 9488 | 10592 | 8282 | 6073 | 2644 | 6780 | 4717 | 11848 | 6536 |
| Tramp. almac. comuni. | 23732 | 6355 | 1501 | - | 1611 | 132 | 6595 | 1298 | 5969 | 1013 | 2142 | 376 | 1711 | 1974 | 4203 | 1562 |
| Establec. financieros | 2598 | 9097 | 1047 | 131 | 488 | 132 | 4604 | 734 | 5194 | 1277 | 2407 | 1259 | 7355 | 2990 | 4886 | 2574 |
| Serv. comunales | 78142 | 81466 | 3530 | 4932 | 3901 | 3711 | 19626 | 15198 | 13158 | 11909 | 7841 | 9028 | 14867 | 20331 | 15219 | 16357 |
| No bien especificados | 4228 | 2581 | - | 113 | 112 | - | 694 | 245 | 864 | 527 | 131 | 395 | 528 | 660 | 1899 | 641 |

NÚMERO DE TRABAJADORES SEGÚN SECTOR OCUPACIONAL

COSTA RICA

| | Total | | menos de 3/4 L | | de 3/4 a 1 L | | de 1 a 2 L | | de 2 a 3 L | | de 3 a 4 L | | 4 L y más | | Ignorado | |
|-----------------------|---------|---------|----------------|---------|--------------|---------|------------|---------|------------|---------|------------|---------|-----------|---------|----------|---------|
| | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres |
| <i>Sector Público</i> | 107333 | 66155 | 5564 | 1573 | 4115 | 1106 | 27078 | 9384 | 18016 | 9574 | 11502 | 9873 | 22513 | 20629 | 18545 | 14016 |
| Gobierno central | 40716 | 38818 | 1593 | 1346 | 1583 | 759 | 11937 | 5638 | 7330 | 6596 | 3229 | 5986 | 7884 | 11217 | 7160 | 7276 |
| Inst auton y semi | 60310 | 25836 | 2789 | 227 | 2304 | 347 | 12734 | 3699 | 10058 | 2936 | 7964 | 3491 | 14110 | 9016 | 10351 | 6120 |
| Servicios | 22120 | 18236 | 674 | 180 | 924 | 216 | 4658 | 2604 | 3631 | 1916 | 3241 | 2334 | 4719 | 6690 | 4273 | 4296 |
| Empresas financieras | 14988 | 3774 | 681 | 47 | 263 | - | 1559 | 325 | 2953 | 638 | 1729 | 770 | 5020 | 816 | 2783 | 1178 |
| Empres no financieras | 23202 | 3826 | 1434 | - | 1117 | 131 | 6517 | 770 | 3474 | 382 | 2994 | 387 | 4371 | 1510 | 3295 | 646 |
| Municipalidades | 6307 | 1501 | 1182 | - | 228 | - | 2407 | 47 | 628 | 42 | 309 | 396 | 519 | 396 | 1034 | 620 |
| <i>Sector Privado</i> | 450299 | 186592 | 62681 | 16535 | 47237 | 12959 | 141354 | 55873 | 70791 | 32646 | 28413 | 13015 | 29290 | 20034 | 70533 | 35530 |
| Organismo internac | 1869 | 383 | - | - | - | - | 168 | - | - | 48 | 725 | 36 | 940 | 263 | 36 | 36 |
| Ignorado | 524 | - | 36 | - | - | - | 244 | - | 12 | - | - | - | - | - | 132 | - |

NÚMERO DE TRABAJADORES SEGÚN SECTOR OCUPACIONAL

REGION CENTRAL

| | Total | | menos de 3/4 L | | de 3/4 a 1 L | | de 1 a 2 L | | de 2 a 3 L | | de 3 a 4 L | | 4 L y más | | Ignorado | |
|-----------------------|---------|---------|----------------|---------|--------------|---------|------------|---------|------------|---------|------------|---------|-----------|---------|----------|---------|
| | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres | hombres | mujeres |
| <i>Sector Público</i> | 77823 | 46373 | 2870 | 936 | 2271 | 525 | 17189 | 5050 | 13144 | 4887 | 8791 | 7089 | 18635 | 17207 | 14923 | 10679 |
| Gobierno central | 28457 | 25109 | 694 | - | 938 | - | 7525 | - | 5190 | - | 1897 | - | 6710 | - | 5503 | - |
| Inst auton y semi | 44724 | 19983 | 1294 | - | 1333 | - | 7783 | - | 7447 | - | 6631 | - | 11550 | - | 8686 | - |
| Servicios | 17879 | 13933 | 489 | - | 469 | - | 3462 | - | 2781 | - | 2856 | - | 3985 | - | 3837 | - |
| Empresas financieras | 13069 | 3213 | 560 | - | 263 | - | 1015 | - | 2785 | - | 1693 | - | 4309 | - | 2444 | - |
| Empres no financieras | 13776 | 2837 | 245 | - | 601 | - | 3306 | - | 1881 | - | 2082 | - | 3256 | - | 2405 | - |
| Municipalidades | 4642 | 1281 | 882 | - | - | - | 1881 | - | 507 | - | 263 | - | 375 | - | 734 | - |
| <i>Sector Privado</i> | 293084 | 140352 | 27151 | - | 26245 | - | 88149 | - | 52426 | - | 22872 | - | 3682 | - | 52559 | - |
| Organismo internac | 1677 | 263 | - | - | - | - | 132 | - | - | - | 641 | - | 904 | - | - | - |
| Ignorado | 488 | - | - | - | - | - | 244 | - | 112 | - | - | - | - | - | 132 | - |

L : Límite de bienestar

Población de 12 años o más por condición de actividad - 1973

| Canton y Distrito | Total - 12 años y más | Población Activa | | | Población Inactiva | | | | |
|----------------------|-----------------------|------------------|---------|------------|--------------------|------------|-----------------|------------|-------|
| | | Total | Ocupada | Desocupada | Total | Estudiante | Oficios Domest. | Pensionado | Otros |
| SAN RAMON | 21.191 | 9.266 | 8.617 | 649 | 11.925 | 7.298 | 123 | 3.979 | 525 |
| San Ramon | 6.622 | 2.648 | 2.449 | 199 | 3.974 | 1.661 | 107 | 2.015 | 191 |
| Santiago | 1.029 | 431 | 405 | 26 | 598 | 414 | 3 | 159 | 22 |
| San Juan | 2.239 | 886 | 809 | 77 | 1.353 | 769 | 5 | 483 | 96 |
| Piedades Norte | 1.388 | 688 | 641 | 47 | 700 | 546 | 0 | 130 | 24 |
| Piedades Sur | 1.399 | 674 | 608 | 66 | 725 | 608 | 2 | 84 | 31 |
| San Rafael | 2.168 | 985 | 924 | 61 | 1.183 | 792 | 4 | 342 | 45 |
| San Isidro | 773 | 302 | 264 | 38 | 471 | 299 | 0 | 147 | 25 |
| Angeles | 1.372 | 721 | 692 | 29 | 651 | 511 | 1 | 130 | 9 |
| Alfaro | 822 | 333 | 314 | 24 | 489 | 321 | 0 | 141 | 27 |
| Volio | 496 | 234 | 231 | 3 | 262 | 196 | 0 | 55 | 11 |
| Concepción | 557 | 264 | 247 | 17 | 293 | 250 | 1 | 35 | 7 |
| Zapotal | 408 | 203 | 200 | 3 | 205 | 176 | 0 | 24 | 5 |
| Peñas Blancas | 1.918 | 897 | 833 | 64 | 1.021 | 755 | 0 | 234 | 32 |
| GRECIA | 20.509 | 9.595 | 8.994 | 601 | 10.914 | 7.085 | 130 | 3.182 | 517 |
| Grecia | 6.770 | 3.088 | 2.832 | 256 | 3.682 | 1.930 | 79 | 1.457 | 216 |
| San Isidro | 2.053 | 924 | 900 | 24 | 1.129 | 742 | 16 | 338 | 33 |
| San José | 1.702 | 752 | 729 | 23 | 950 | 673 | 11 | 238 | 28 |
| San Roque | 2.528 | 1.123 | 1.025 | 98 | 1.405 | 905 | 11 | 434 | 55 |
| Tacares | 2.219 | 1.128 | 1.082 | 46 | 1.091 | 780 | 4 | 233 | 74 |
| Río Cuarto | 1.748 | 943 | 911 | 32 | 805 | 676 | 1 | 100 | 28 |
| Puente de Piedra | 1.713 | 801 | 758 | 43 | 912 | 671 | 7 | 182 | 52 |
| Bolívar | 1.776 | 836 | 757 | 79 | 940 | 708 | 1 | 200 | 31 |
| ATENAS | 8.375 | 3.449 | 3.226 | 223 | 4.926 | 3.110 | 80 | 1.449 | 287 |
| Atenas | 2.502 | 991 | 935 | 56 | 1.511 | 717 | 54 | 644 | 96 |
| Jesús | 1.521 | 647 | 611 | 36 | 874 | 627 | 5 | 186 | 56 |
| Mercedes | 823 | 296 | 291 | 5 | 527 | 313 | 2 | 158 | 54 |
| San Isidro | 1.176 | 517 | 488 | 29 | 659 | 522 | 0 | 114 | 23 |
| Concepción | 915 | 340 | 296 | 44 | 575 | 382 | 17 | 161 | 15 |
| San José | 823 | 383 | 349 | 34 | 440 | 296 | 2 | 116 | 26 |
| Santa Eulalia | 615 | 275 | 256 | 19 | 340 | 253 | 0 | 70 | 17 |
| NARANJO | 12.507 | 5.372 | 4.779 | 593 | 7.135 | 4.647 | 35 | 2.088 | 365 |
| Naranjo | 6.310 | 2.678 | 2.296 | 382 | 3.632 | 2.133 | 21 | 1.287 | 191 |
| San Miguel | 827 | 388 | 352 | 36 | 439 | 326 | 0 | 84 | 29 |
| San José | 1.167 | 547 | 506 | 41 | 620 | 467 | 3 | 119 | 31 |
| Cirri Sur | 1.001 | 430 | 402 | 28 | 571 | 425 | 2 | 119 | 25 |
| San Jeronimo | 672 | 273 | 259 | 14 | 399 | 297 | 0 | 85 | 17 |
| San Juan | 1.628 | 626 | 557 | 69 | 1.002 | 631 | 4 | 315 | 52 |
| Rosario | 902 | 430 | 407 | 23 | 472 | 368 | 5 | 79 | 20 |
| PALMARES | 9.725 | 3.979 | 3.529 | 450 | 5.746 | 3.338 | 18 | 2.110 | 280 |
| Palmares | 2.135 | 950 | 863 | 87 | 1.185 | 621 | 14 | 486 | 64 |
| Zaragoza | 2.352 | 912 | 823 | 89 | 1.440 | 786 | 1 | 582 | 68 |
| Buenos Aires | 1.746 | 668 | 618 | 50 | 1.078 | 576 | 1 | 431 | 70 |
| Santiago | 1.246 | 548 | 427 | 121 | 698 | 519 | 1 | 169 | 9 |
| Candelaria | 466 | 195 | 185 | 10 | 271 | 204 | 0 | 59 | 8 |
| Esquipulas | 778 | 318 | 272 | 46 | 460 | 287 | 0 | 144 | 29 |
| Granja | 1.002 | 388 | 341 | 47 | 614 | 342 | 1 | 239 | 32 |
| VALVERDE VEGA | 5.415 | 2.513 | 2.273 | 240 | 2.902 | 1.869 | 17 | 873 | 143 |
| Sarchi Norte | 2.222 | 1.073 | 994 | 79 | 1.149 | 717 | 11 | 370 | 51 |
| Sarchi Sur | 1.331 | 608 | 515 | 723 | 240 | 435 | 5 | 240 | 43 |
| Toro Amarillo | 213 | 121 | 121 | 0 | 92 | 79 | 0 | 12 | 1 |
| San Pedro | 780 | 348 | 325 | 23 | 432 | 320 | 1 | 92 | 19 |
| Rodríguez | 869 | 363 | 318 | 45 | 506 | 318 | 0 | 159 | 29 |

Población de 12 años o más por Condición de Actividad - 1984

| Canton y Distrito | Total - 12 años y mas | Población Activa | | | Población Inactiva | | | | |
|----------------------|-----------------------|------------------|---------|------------|--------------------|------------|------------|-----------------|-------|
| | | Total | Ocupada | Desocupada | Total | Pensionado | Estudiante | Oficios Domest. | Otros |
| SAN RAMON | 29.137 | 13.736 | 12.966 | 770 | 15.401 | 633 | 3.707 | 9.885 | 1.176 |
| San Ramón | 7.294 | 3.468 | 3.240 | 228 | 3.826 | 323 | 1.487 | 1.749 | 267 |
| Santiago | 1.317 | 621 | 590 | 31 | 696 | 11 | 134 | 502 | 49 |
| San Juan | 4.186 | 1.885 | 1.774 | 111 | 2.301 | 97 | 625 | 1.302 | 277 |
| Piedras Norte | 1.754 | 829 | 798 | 31 | 925 | 18 | 146 | 683 | 78 |
| Piedras Sur | 1.748 | 822 | 780 | 42 | 926 | 24 | 168 | 682 | 52 |
| San Rafael | 3.436 | 1.696 | 1.577 | 119 | 1.740 | 44 | 376 | 1.239 | 81 |
| San Isidro | 960 | 432 | 400 | 32 | 528 | 9 | 133 | 351 | 35 |
| Angeles | 2.460 | 1.200 | 1.149 | 51 | 1.260 | 31 | 157 | 1.015 | 57 |
| Alfaro | 1.499 | 704 | 657 | 47 | 795 | 35 | 196 | 512 | 52 |
| Volio | 776 | 348 | 323 | 25 | 428 | 20 | 64 | 320 | 24 |
| Concepción | 781 | 353 | 345 | 8 | 428 | 8 | 48 | 335 | 37 |
| Zapotal | 349 | 162 | 160 | 2 | 187 | 0 | 10 | 159 | 18 |
| Peñas Blancas | 2.577 | 1.216 | 1.173 | 43 | 1.361 | 13 | 163 | 1.036 | 149 |
| GRECIA | 27.665 | 12.955 | 12.240 | 715 | 14.600 | 705 | 3.082 | 9.409 | 1.404 |
| Grécia | 8.337 | 3.837 | 3.626 | 211 | 4.468 | 324 | 1.364 | 2.256 | 524 |
| San Isidro | 2.084 | 914 | 860 | 54 | 1.152 | 42 | 226 | 773 | 106 |
| San José | 2.441 | 1.094 | 1.036 | 58 | 1.336 | 39 | 289 | 930 | 78 |
| San Roque | 3.997 | 1.845 | 1.709 | 136 | 2.137 | 58 | 405 | 1.434 | 240 |
| Tucares | 2.913 | 1.442 | 1.358 | 84 | 1.463 | 86 | 214 | 1.036 | 127 |
| Río Cuarto | 2.239 | 1.122 | 1.099 | 23 | 1.109 | 21 | 148 | 871 | 69 |
| Puente de Piedra | 3.179 | 1.543 | 1.459 | 84 | 1.362 | 97 | 283 | 1.084 | 168 |
| Bolivar | 2.475 | 1.158 | 1.093 | 65 | 1.303 | 33 | 153 | 1.025 | 92 |
| ATENAS | 11.128 | 5.119 | 4.954 | 165 | 6.009 | 353 | 1.259 | 3.786 | 611 |
| Atenas | 3.409 | 1.575 | 1.528 | 47 | 1.834 | 156 | 549 | 849 | 280 |
| Jesús | 1.998 | 925 | 899 | 26 | 1.073 | 77 | 215 | 725 | 52 |
| Mercedes | 1.102 | 503 | 455 | 48 | 599 | 24 | 112 | 417 | 46 |
| San Isidro | 1.333 | 604 | 590 | 14 | 729 | 9 | 60 | 612 | 48 |
| Concepción | 1.445 | 652 | 636 | 16 | 793 | 53 | 193 | 460 | 87 |
| San José | 1.115 | 525 | 518 | 7 | 590 | 15 | 80 | 427 | 68 |
| Santa Eulalia | 726 | 335 | 328 | 7 | 391 | 19 | 46 | 296 | 30 |
| NARANJO | 17.161 | 7.882 | 7.233 | 649 | 9.279 | 404 | 1.984 | 6.106 | 785 |
| Naranjo | 8.448 | 3.773 | 3.415 | 358 | 4.675 | 246 | 1.215 | 2.751 | 463 |
| San Miguel | 1.105 | 490 | 466 | 24 | 615 | 17 | 111 | 414 | 73 |
| San José | 1.592 | 750 | 719 | 31 | 842 | 18 | 126 | 643 | 55 |
| Cirri Sur | 1.732 | 848 | 784 | 64 | 884 | 33 | 124 | 671 | 56 |
| San Jeronimo | 1.008 | 462 | 438 | 24 | 546 | 17 | 87 | 411 | 31 |
| San Juan | 2.019 | 928 | 842 | 86 | 1.091 | 40 | 241 | 751 | 59 |
| Rosario | 1.257 | 631 | 569 | 62 | 626 | 33 | 80 | 465 | 48 |
| PALMARES | 13.191 | 6.236 | 5.689 | 547 | 6.955 | 267 | 1.563 | 4.465 | 660 |
| Palmares | 2.823 | 1.321 | 1.174 | 147 | 1.502 | 90 | 471 | 809 | 132 |
| Zaragoza | 3.138 | 1.569 | 1.371 | 198 | 1.569 | 33 | 311 | 1.095 | 130 |
| Buenos Aires | 2.294 | 1.105 | 1.049 | 56 | 1.189 | 30 | 270 | 787 | 102 |
| Santiago | 1.411 | 638 | 579 | 59 | 773 | 27 | 116 | 561 | 69 |
| Candelaria | 643 | 320 | 299 | 21 | 323 | 6 | 33 | 267 | 17 |
| Esquipulas | 1.249 | 564 | 551 | 13 | 685 | 25 | 135 | 438 | 87 |
| Granja | 1.633 | 719 | 666 | 53 | 914 | 56 | 227 | 508 | 123 |
| VALVERDE VEGA | 7.739 | 3.575 | 3.287 | 288 | 4.164 | 166 | 732 | 2.880 | 386 |
| Sarchi Norte | 3.117 | 1.398 | 1.290 | 108 | 1.719 | 80 | 386 | 1.092 | 161 |
| Sarchi Sur | 1.993 | 975 | 888 | 87 | 1.018 | 39 | 164 | 719 | 96 |
| Toro Amarillo | 191 | 111 | 106 | 5 | 80 | 2 | 2 | 74 | 2 |
| San Pedro | 1.313 | 562 | 538 | 24 | 751 | 30 | 79 | 557 | 85 |
| Rodriguez | 1.125 | 529 | 465 | 64 | 596 | 15 | 101 | 438 | 42 |

Sectores de Actividad por Porcentaje Según Cantones - 1973 y 1984

| 1973 | Sectores de Actividad | | | | Total |
|---------------|-----------------------|------------|-----------|-------|---------|
| | Primario | Secundario | Terciario | Otros | |
| San Ramon | 55,98% | 11,18% | 27,43% | 5,41% | 100,00% |
| Grecia | 50,94% | 16,64% | 28,20% | 4,39% | 100,00% |
| Atenas | 60,31% | 10,44% | 24,67% | 4,58% | 100,00% |
| Naranjo | 58,73% | 10,01% | 24,05% | 7,20% | 100,00% |
| Palmares | 48,50% | 13,65% | 30,91% | 6,94% | 100,00% |
| Valverde Vega | 56,78% | 17,15% | 19,89% | 6,17% | 100,00% |

| 1984 | Sectores de Actividad | | | | Total |
|---------------|-----------------------|------------|-----------|--------|---------|
| | Primario | Secundario | Terciario | Otros | |
| San Ramon | 49,92% | 13,39% | 29,93% | 6,75% | 100,00% |
| Grecia | 43,74% | 17,09% | 30,69% | 8,48% | 100,00% |
| Atenas | 46,16% | 17,25% | 32,94% | 3,63% | 100,00% |
| Naranjo | 51,90% | 13,56% | 22,88% | 11,65% | 100,00% |
| Palmares | 35,78% | 18,15% | 31,05% | 15,01% | 100,00% |
| Valverde Vega | 56,78% | 17,15% | 19,92% | 6,15% | 100,00% |

Población Ocupada y Cesante por Rama de Actividad Según Cantón - 1973 y 1984

1973

| Rama | SAN RAMON | % | GRECIA | % | ATENAS | % | NARANJO | % | PALMARES | % | VALVERDE VEG/ | % |
|-------|-----------|---------|--------|---------|--------|---------|---------|---------|----------|---------|---------------|---------|
| I | 5.187 | 55,98% | 4.888 | 50,94% | 2.080 | 60,31% | 3.155 | 58,73% | 1.930 | 48,50% | 1.427 | 56,78% |
| II | 12 | 0,13% | 18 | 0,19% | 2 | 0,06% | 3 | 0,06% | 13 | 0,33% | 6 | 0,24% |
| III | 582 | 6,28% | 1.115 | 11,62% | 123 | 3,57% | 251 | 4,67% | 319 | 8,02% | 282 | 11,22% |
| IV | 37 | 0,40% | 16 | 0,17% | 40 | 1,16% | 25 | 0,47% | 10 | 0,25% | 6 | 0,24% |
| V | 405 | 4,37% | 448 | 4,67% | 195 | 5,65% | 259 | 4,82% | 201 | 5,05% | 137 | 5,45% |
| VI | 719 | 7,76% | 762 | 7,94% | 245 | 7,10% | 416 | 7,74% | 390 | 9,80% | 153 | 6,09% |
| VII | 205 | 2,21% | 348 | 3,63% | 142 | 4,12% | 160 | 2,98% | 109 | 2,74% | 60 | 2,39% |
| VIII | 61 | 0,66% | 58 | 0,60% | 15 | 0,43% | 31 | 0,58% | 28 | 0,70% | 12 | 0,48% |
| IX | 1.557 | 16,80% | 1.521 | 15,85% | 449 | 13,02% | 685 | 12,75% | 703 | 17,67% | 275 | 10,94% |
| X | 501 | 5,41% | 421 | 4,39% | 158 | 4,58% | 387 | 7,20% | 276 | 6,94% | 155 | 6,17% |
| Total | 9.266 | 100,00% | 9.595 | 100,00% | 3.449 | 100,00% | 5.372 | 100,00% | 3.979 | 100,00% | 2.513 | 100,00% |

Fuente Dirección General de Estadística y Censos, 1974

1984

| Rama | SAN RAMON | % | GRECIA | % | ATENAS | % | NARANJO | % | PALMARES | % | VALVERDE VEG/ | % |
|-------|-----------|---------|--------|---------|--------|---------|---------|---------|----------|---------|---------------|---------|
| I | 6.793 | 49,92% | 5.666 | 43,74% | 2.351 | 46,16% | 4.049 | 51,90% | 2.207 | 35,78% | 1.847 | 56,78% |
| II | 19 | 0,14% | 32 | 0,25% | 15 | 0,29% | 6 | 0,08% | 8 | 0,13% | 8 | 0,25% |
| III | 1.115 | 8,19% | 1.505 | 11,62% | 401 | 7,87% | 615 | 7,88% | 766 | 12,42% | 365 | 11,22% |
| IV | 76 | 0,56% | 65 | 0,50% | 182 | 3,57% | 71 | 0,91% | 44 | 0,71% | 8 | 0,25% |
| V | 613 | 4,50% | 613 | 4,73% | 281 | 5,52% | 366 | 4,69% | 302 | 4,90% | 177 | 5,44% |
| VI | 929 | 6,83% | 1.096 | 8,46% | 402 | 7,89% | 476 | 6,10% | 454 | 7,36% | 198 | 6,09% |
| VII | 166 | 1,22% | 159 | 1,23% | 175 | 3,44% | 112 | 1,44% | 69 | 1,12% | 78 | 2,40% |
| VIII | 170 | 1,25% | 152 | 1,17% | 60 | 1,18% | 59 | 0,76% | 48 | 0,78% | 16 | 0,49% |
| IX | 2.808 | 20,63% | 2.569 | 19,83% | 1.041 | 20,44% | 1.138 | 14,59% | 1.345 | 21,80% | 356 | 10,94% |
| X | 919 | 6,75% | 1.098 | 8,48% | 185 | 3,63% | 909 | 11,65% | 926 | 15,01% | 200 | 6,15% |
| Total | 13.608 | 100,00% | 12.955 | 100,00% | 5.093 | 100,00% | 7.801 | 100,00% | 6.169 | 100,00% | 3.253 | 100,00% |

Fuente Dirección General de Estadística y Censos, 1987

Sector Primario

I - Agricultura; Caza; Silvicultura y Pesca

Sector Secundario

II - Explotación -minas, cantera

III - Industria; Manufacturera

IV - Electricidad, Gas y Agua

V - Construcción

Sector Terciario

VI - Comercio-mayor, menor y Hoteles

VII - Transporte, Almacena y Comunidad

VIII - Seguros Bienes

IX - Sociales y Personales

Otros

X - No bien Especificos

DISTRIBUCION DE LA CAPACIDAD DE USO DE LA TIERRA POR DISTRITO.

| DISTRITO | CAPACIDAD DE USO DE LA TIERRA | | | | | | Area analizada (Km2) | Porc. con respecto al área total |
|--|-------------------------------|--------|--------|--------|--------|---------|-------------------------|-------------------------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| SAN RAMON | | | | | | | | |
| San Ramon | 100.00% | - | - | - | - | - | 1.27 | 100.00% |
| Santiago | 25.78% | 74.22% | - | - | - | - | 8.98 | 14.68% |
| San Juan | 100.00% | - | - | - | - | - | 5.00 | 97.37% |
| San Rafael | 53.30% | 46.70% | - | - | - | - | 13.28 | 43.08% |
| San Isidro | 51.17% | 48.83% | - | - | - | - | 8.65 | 100.00% |
| Alfaro | 76.01% | 23.99% | - | - | - | - | 2.47 | 13.74% |
| Volio | 61.57% | - | 38.43% | - | - | - | 2.52 | 12.22% |
| Concepcion | 56.11% | 5.68% | 38.22% | - | - | - | 6.61 | 69.28% |
| Zapotal, Peñas Blancas, Piedades Sur, Los Angeles y Piedades Norte no hay información disponible | | | | | | | | |
| GRECIA | | | | | | | | |
| Grecia | 100.00% | - | - | - | - | - | 7.52 | 100.00% |
| San Isidro | 38.51% | 34.70% | 0.36% | 1.02% | - | 25.40% | 16.64 | 97.11% |
| San Jose | 81.57% | 17.39% | 0.72% | - | - | 0.32% | 12.30 | 100.00% |
| San Roque | 23.64% | 13.05% | 9.06% | 6.20% | 12.31% | 35.73% | 26.58 | 99.31% |
| Tacares | 67.75% | 26.04% | 2.31% | - | 3.91% | - | 24.80 | 100.00% |
| Puente de Piedras | 87.40% | 1.96% | - | - | 10.64% | - | 22.95 | 100.00% |
| Bolivar | 13.62% | 2.46% | 39.30% | 13.48% | 2.36% | 28.77% | 30.11 | 97.88% |
| Rio Cuarto, no hay información disponible | | | | | | | | |
| ATENAS | | | | | | | | |
| Atenas | 68.92% | 21.14% | - | - | 9.85% | 0.10% | 9.77 | 100.00% |
| Jesus | 6.97% | 68.57% | - | 7.19% | - | 17.27% | 44.35 | 99.74% |
| Mercedes | 77.47% | 22.53% | - | - | 0.00% | - | 7.82 | 100.00% |
| San Isidro | 3.52% | 96.48% | - | - | - | - | 14.44 | 99.97% |
| Concepcion | 32.82% | 58.80% | - | 7.98% | 0.20% | 0.20% | 21.79 | 100.00% |
| San Jose | 22.94% | 45.73% | - | - | - | 31.34% | 13.57 | 100.00% |
| Santa Eulalia | 53.73% | 15.58% | - | - | 8.42% | 22.27% | 14.63 | 100.00% |
| NARANJO | | | | | | | | |
| Naranjo | 29.18% | 68.90% | 1.91% | - | 0.00% | - | 25.28 | 100.00% |
| San Miguel | 12.57% | 79.81% | - | - | 0.08% | 7.54% | 15.66 | 100.00% |
| San Jose | 9.28% | 50.04% | 40.68% | - | - | - | 7.49 | 34.99% |
| Cirri Sur | 11.89% | 43.34% | 33.58% | - | - | 11.19% | 21.06 | 65.69% |
| San Jeronimo | 41.07% | 19.60% | 27.85% | 0.81% | - | 10.68% | 9.16 | 99.80% |
| San Juan | 48.06% | 41.00% | 10.94% | - | - | - | 6.74 | 100.00% |
| Rosario | 1.63% | 56.90% | - | - | 6.41% | 35.07% | 17.20 | 100.00% |
| PALMARES | | | | | | | | |
| Palmares | 100.00% | - | - | - | - | - | 1.17 | 100.00% |
| Zaragoza | - | 58.23% | - | - | - | 41.77% | 8.37 | 99.53% |
| Buenos Aires | 58.05% | 41.95% | - | - | - | - | 6.95 | 100.00% |
| Santiago | 0.03% | 99.97% | - | - | - | - | 8.03 | 99.96% |
| Candelaria | 0.34% | 98.55% | - | - | - | 1.10% | 4.45 | 100.00% |
| Esquipulas | - | - | - | - | - | 100.00% | 5.44 | 100.00% |
| Granja | 15.06% | 84.94% | - | - | - | - | 4.38 | 100.00% |
| VALVERDE VEGA | | | | | | | | |
| Sarchi Norte | 17.23% | 32.78% | 3.05% | 42.17% | 3.52% | 1.26% | 20.65 | 97.13% |
| Sarchi Sur | 72.62% | 1.98% | - | - | 25.40% | - | 6.44 | 100.00% |
| San Pedro | 25.72% | 22.15% | 21.24% | 25.05% | - | 5.84% | 10.60 | 97.82% |
| Rodriguez | 35.01% | 39.39% | 20.95% | - | 4.64% | 0.01% | 7.19 | 100.00% |
| Toro Amarillo, no hay información disponible | | | | | | | | |

FUENTE: Mapa del convenio SEPSA (MAG)-MIDEPLAN. Zonificación Agropecuaria. Elaborado por Ing. Jorge Acon y Ing. Revisado por Dr. Oscar Gomez.

Categoría

- 1 Tierras moderadamente buenas para el cultivo.
- 2 Tierras con limitaciones que restringen la elección de cultivos.
- 3 Terrenos con lim. para cult. agronom. pero aprov. en pastos y bosques.
- 4 Terrenos con sev. lim. para cult. agronom. pero aprov. en pastos y bosques.
- 5 Tierras que poseen muchas y graves lim. para el cultivo.
- 6 Zona protegida, reserva biológ. o Parque Nacional.

DISTRIBUCION POR DISTRITO SEGUN PRECIPITACION.

| DISTRITO | CATEGORIAS (mm por año) | | | | Area analizada para cada distrito (km ²) | Porcentaje de área analizada |
|--|-------------------------|-----------------|-----------------|-----------------|--|------------------------------|
| | Menos de 2000 (%) | 2000 - 2500 (%) | 2500 - 3000 (%) | 3000 - 3500 (%) | | |
| SAN RAMON | | | | | | |
| San Ramon | --- | 100.00 | --- | --- | 1.27 | 100.00 |
| Santiago | --- | 58.91 | 41.09 | --- | 8.98 | 14.67 |
| San Juan | 55.20 | 44.80 | --- | --- | 5.00 | 97.47 |
| San Rafael | --- | 43.07 | --- | --- | 30.83 | 43.07 |
| San Isidro | 64.74 | 35.26 | --- | --- | 8.65 | 100.00 |
| Alfaro | --- | 100.00 | --- | --- | 2.47 | 13.77 |
| Volio | 100.00 | --- | --- | --- | 2.52 | 12.22 |
| Concepcion | 72.77 | 27.23 | --- | --- | 6.61 | 69.29 |
| No hay información disponible para los distritos de Zapotal, Peñas Blancas, Ángeles, Piedades Sur y Piedades Norte | | | | | | |
| GRECIA | | | | | | |
| Grecia | --- | --- | 80.85 | 19.15 | 7.52 | 100.00 |
| San Isidro | --- | --- | --- | 100.00 | 16.64 | 97.08 |
| San Jose | --- | --- | 36.10 | 63.90 | 12.30 | 100.00 |
| San Roque | --- | --- | --- | 100.00 | 21.68 | 99.13 |
| Tacares | 26.29 | 53.75 | 19.96 | --- | 24.80 | 100.00 |
| Puente de Piedras | 1.48 | 73.98 | 24.54 | --- | 22.94 | 100.00 |
| Bolívar | --- | 2.49 | 97.51 | --- | 30.11 | 97.89 |
| No hay información disponible para el distrito de Río Cuarto | | | | | | |
| ATENAS | | | | | | |
| Atenas | 100.00 | --- | --- | --- | 9.77 | 100.00 |
| Jesus | 20.81 | 79.19 | --- | --- | 44.35 | 99.73 |
| Mercedes | 86.30 | 13.70 | --- | --- | 7.81 | 100.00 |
| San Isidro | 27.22 | 72.78 | --- | --- | 14.44 | 100.00 |
| Concepcion | 71.97 | 28.03 | --- | --- | 21.80 | 100.00 |
| San Jose | 100.00 | --- | --- | --- | 13.57 | 100.00 |
| Santa Eulalia | 52.84 | 47.16 | --- | --- | 14.63 | 100.00 |
| NARANJO | | | | | | |
| Naranjo | 24.33 | 75.44 | 0.24 | --- | 25.28 | 100.00 |
| San Miguel | 39.27 | 60.73 | --- | --- | 15.66 | 100.00 |
| San Jose | --- | 88.38 | 11.62 | --- | 7.49 | 34.98 |
| Cirri Sur | --- | 9.40 | 72.55 | 18.04 | 21.06 | 65.69 |
| San Jeronimo | --- | 4.59 | 65.50 | 29.91 | 9.16 | 99.78 |
| San Juan | 10.83 | 89.17 | --- | --- | 6.74 | 100.00 |
| Rosario | 22.08 | 77.92 | --- | --- | 17.21 | 100.00 |
| PALMARES | | | | | | |
| Palmares | 100.00 | --- | --- | --- | 1.17 | 100.00 |
| Zaragoza | 42.96 | 57.04 | --- | --- | 8.38 | 99.52 |
| Buenos Aires | 99.28 | 0.72 | --- | --- | 6.96 | 100.00 |
| Santiago | 2.99 | 97.01 | --- | --- | 8.03 | 100.00 |
| Candelaria | 96.63 | 3.37 | --- | --- | 4.45 | 100.00 |
| Esquipulas | 100.00 | --- | --- | --- | 5.44 | 100.00 |
| Granja | 23.52 | 76.48 | --- | --- | 4.38 | 100.00 |
| VALVERDE VEGA | | | | | | |
| Sarchi Norte | --- | 1.89 | 23.18 | 74.93 | 20.66 | 97.13 |
| Sarchi Sur | --- | 17.83 | 81.86 | 0.31 | 6.45 | 100.00 |
| San Pedro | --- | --- | 4.52 | 95.48 | 16.61 | 97.79 |
| Rodriguez | --- | --- | 62.73 | 37.27 | 7.19 | 100.00 |

No hay información disponible para el distrito de Toro Amarillo

FUENTE: Mapa elaborado por Ing. Rafael Murillo e Ing. Luis Zamora, revisado por Meteor. Norman Vega (IMN). Escala 1:200000, 1993.

DISTRIBUCIÓN POR DISTRITO SEGÚN CATEGORÍA DE PENDIENTES

| DISTRITO | CATEGORÍAS DE PENDIENTES | | | | | | Área analizada para cada distrito (km ²) | Porcentaje de área analizada |
|--|--------------------------|--------------|---------------|---------------|---------------|-------------------|--|------------------------------|
| | 0-5% (%) | 5-15% (%) | 15-30% (%) | 30-45% (%) | 45-60% (%) | más de 60% (%) | | |
| SAN RAMON | | | | | | | | |
| San Ramón | -- | -- | 95.56 | 4.44 | -- | -- | 1.27 | 100.00 |
| Santiago | -- | -- | 2.26 | 97.74 | -- | -- | 8.98 | 14.68 |
| San Juan | -- | -- | 80.33 | 1.66 | 18.01 | -- | 5.00 | 97.37 |
| San Rafael | -- | -- | 58.99 | 34.18 | 6.83 | -- | 29.75 | 96.49 |
| San Isidro | -- | -- | 0.28 | 59.13 | 40.58 | -- | 8.65 | 100.00 |
| Alfaro | -- | -- | 76.61 | 23.39 | -- | -- | 2.47 | 13.74 |
| Volio | -- | -- | 94.31 | 5.19 | 0.49 | -- | 2.52 | 12.22 |
| Concepción | -- | -- | 39.48 | 10.07 | 50.45 | -- | 6.61 | 69.28 |
| No hay información disponible para los distritos de Zapotal, Peñas Blancas, Ángeles, Piedades Norte y Piedades Sur | | | | | | | | |
| GRECIA | | | | | | | | |
| Grecia | -- | 40.96 | -- | 59.04 | -- | -- | 7.52 | 100.00 |
| San Isidro | -- | 19.81 | 0.26 | 63.47 | 16.46 | -- | 16.64 | 97.10 |
| San José | -- | 0.12 | 3.06 | 95.94 | 0.88 | -- | 12.30 | 100.00 |
| San Roque | -- | 23.38 | 0.42 | 76.21 | -- | -- | 17.56 | 65.59 |
| Tacares | -- | -- | 62.22 | 23.70 | -- | 14.07 | 24.80 | 100.00 |
| Puente de Piedras | -- | -- | 32.81 | 57.18 | -- | 10.01 | 22.95 | 100.00 |
| Bolívar | -- | 4.27 | -- | 33.15 | 62.58 | -- | 29.70 | 96.57 |
| No hay información disponible para el distrito de Río Cuarto | | | | | | | | |
| ATENAS | | | | | | | | |
| Atenas | -- | -- | 76.78 | 1.55 | 5.40 | 16.27 | 9.77 | 100.00 |
| Jesús | -- | -- | 14.88 | 27.10 | 49.89 | 8.13 | 44.35 | 99.74 |
| Mercedes | -- | -- | -- | 66.17 | 15.50 | 18.33 | 7.82 | 100.00 |
| San Isidro | -- | -- | 4.34 | 58.72 | 36.35 | 0.59 | 14.44 | 100.00 |
| Concepción | -- | -- | 31.83 | 29.81 | 17.29 | 21.06 | 21.79 | 100.00 |
| San José | -- | -- | -- | 63.88 | 31.83 | 4.30 | 13.57 | 100.00 |
| Santa Eulalia | -- | -- | -- | 64.97 | 15.72 | 19.31 | 14.63 | 100.00 |
| NARANJO | | | | | | | | |
| Naranjo | -- | -- | -- | 86.15 | 13.79 | 0.06 | 25.28 | 100.00 |
| San Miguel | -- | -- | -- | 68.36 | 30.76 | 0.87 | 15.66 | 100.00 |
| San José | -- | -- | -- | 47.13 | 52.87 | -- | 7.49 | 34.99 |
| Cirri Sur | -- | -- | -- | 58.89 | 41.11 | -- | 21.06 | 65.89 |
| San Jerónimo | -- | -- | 3.17 | 89.71 | 7.13 | -- | 9.16 | 99.80 |
| San Juan | -- | -- | -- | 88.49 | 11.51 | -- | 6.74 | 100.00 |
| Rosario | -- | -- | -- | 62.62 | 17.94 | 19.44 | 17.20 | 100.00 |
| PALMARES | | | | | | | | |
| Palmares | 90.63 | -- | -- | 9.37 | -- | -- | 1.17 | 100.00 |
| Zaragoza | 3.25 | -- | -- | 63.41 | 33.34 | -- | 8.37 | 99.53 |
| Buenos Aires | 34.09 | -- | -- | 53.85 | 12.06 | -- | 6.95 | 100.00 |
| Santiago | -- | -- | -- | 51.89 | 48.11 | -- | 8.03 | 100.00 |
| Candelaria | -- | -- | -- | 51.77 | 48.23 | -- | 4.45 | 100.00 |
| Esquipulas | 3.80 | -- | -- | 75.93 | 20.26 | -- | 5.44 | 100.00 |
| Granja | 3.46 | -- | -- | 70.33 | 26.21 | -- | 4.38 | 100.00 |
| VALVERDE VEGA | | | | | | | | |
| Sarchi Norte | -- | -- | 31.46 | 22.03 | 45.93 | 0.58 | 20.65 | 100.00 |
| Sarchi Sur | -- | -- | 37.35 | 28.26 | 21.39 | 13.00 | 6.44 | 100.00 |
| San Pedro | -- | -- | 24.52 | 21.16 | 54.32 | -- | 10.60 | 97.82 |
| Rodríguez | -- | -- | 41.03 | 58.97 | -- | -- | 7.19 | 100.00 |
| No hay información disponible para el distrito de Toro Amarillo | | | | | | | | |

FUENTE: Mapa elaborado por FAO - MAG. 1978

DISTRIBUCIÓN HIDROGEOLOGICA POR DISTRITO.

| DISTRITO | NO ACUPERO (%) | ACUPERO DE PALMARES (%) | ACUPERO EN ROCAS VOLCANICAS (%) | ACUPERO EN ISABERNITAS (%) | VOLCANICO TERCARIO (%) | LACUSTRE DE PALMARES (%) | Area muestreada para cada distrito (km ²) | Porcentaje de Area muestreada |
|--|----------------|-------------------------|---------------------------------|----------------------------|------------------------|--------------------------|---|-------------------------------|
| SAN RAMON | | | | | | | | |
| San Ramón | 1.57 | 98.43 | — | — | — | — | 1.27 | 100.00 |
| Santiago | 82.63 | 17.37 | — | — | — | — | 8.98 | 14.67 |
| San Juan | 51.40 | 48.60 | — | — | — | — | 5.00 | 97.47 |
| San Rafael | 56.40 | 43.60 | — | — | — | — | 13.28 | 43.07 |
| San Isidro | 89.93 | 10.07 | — | — | — | — | 8.64 | 100.00 |
| Altaro | 98.79 | 1.21 | — | — | — | — | 2.47 | 13.77 |
| Volio | 100.00 | — | — | — | — | — | 2.52 | 12.22 |
| Concepción | 100.00 | — | — | — | — | — | 6.62 | 69.32 |
| No hay información disponible para los distritos de Zapotal, Peñas Blancas, Ángeles, Piedades Sur y Piedades Norte | | | | | | | | |
| GRECIA | | | | | | | | |
| Grecia | — | — | 100.00 | — | — | — | 7.52 | 100.00 |
| San Isidro | — | — | 100.00 | — | — | — | 16.64 | 97.08 |
| San José | — | — | 100.00 | — | — | — | 12.30 | 100.00 |
| San Roque | — | — | 100.00 | — | — | — | 26.58 | 99.29 |
| Tzacares | — | — | 100.00 | — | — | — | 24.69 | 99.56 |
| Puente de Piedras | — | — | 99.91 | 0.09 | — | — | 22.59 | 98.43 |
| Bolíver | — | — | 100.00 | — | — | — | 30.11 | 97.89 |
| No hay información disponible para el distrito de Río Cuarto | | | | | | | | |
| ATENAS | | | | | | | | |
| Atenas | 26.92 | — | — | 73.08 | — | — | 9.77 | 100.00 |
| Jesus | 88.32 | — | — | 11.68 | — | — | 44.35 | 99.73 |
| Mercedes | 0.38 | — | — | 99.62 | — | — | 7.81 | 100.00 |
| San Isidro | 91.63 | — | — | 8.37 | — | — | 14.45 | 99.97 |
| Concepción | 99.40 | — | — | 0.60 | — | — | 21.79 | 100.00 |
| San José | 92.34 | — | — | 7.66 | — | — | 13.57 | 100.00 |
| Santa Eulalia | 36.36 | — | 1.91 | 61.72 | — | — | 14.63 | 100.00 |
| NARANJO | | | | | | | | |
| Naranjo | 86.43 | 7.40 | 6.17 | — | — | — | 25.27 | 100.00 |
| San Miguel | 87.43 | 2.94 | 9.64 | — | — | — | 15.67 | 100.00 |
| San José | 65.82 | — | 34.18 | — | — | — | 7.48 | 34.98 |
| Cimi Sur | 23.28 | — | 76.72 | — | — | — | 21.05 | 65.68 |
| San Jerónimo | 26.64 | — | 73.36 | — | — | — | 9.16 | 99.78 |
| San Juan | 99.85 | 0.15 | — | — | — | — | 6.74 | 100.00 |
| Rocario | 70.35 | — | 29.65 | — | — | — | 17.20 | 100.00 |
| PALMARES | | | | | | | | |
| Palmaree | — | 100.00 | — | — | — | — | 1.17 | 100.00 |
| Zaragoza | 61.34 | 38.66 | — | — | — | — | 8.38 | 99.52 |
| Buenos Aires | 67.96 | 32.04 | — | — | — | — | 6.96 | 100.00 |
| Santiago | 97.88 | 2.12 | — | — | — | — | 8.02 | 100.00 |
| Candalaria | 100.00 | — | — | — | — | — | 4.45 | 100.00 |
| Esquipulas | 17.25 | 82.75 | — | — | — | — | 5.45 | 100.00 |
| Granja | 86.73 | 13.27 | — | — | — | — | 4.37 | 100.00 |
| VAL VERDE VEGIA | | | | | | | | |
| Sacchi Norte | — | — | 100.00 | — | — | — | 20.65 | 97.13 |
| Sacchi Sur | — | — | 100.00 | — | — | — | 6.44 | 100.00 |
| San Pedro | — | — | 100.00 | — | — | — | 10.80 | 97.79 |
| Rodríguez | — | — | 100.00 | — | — | — | 7.19 | 100.00 |
| No hay información disponible para el distrito de Toro Amarillo | | | | | | | | |

FUENTE: Mapa elaborado por SENARA, Hidrog. Ernesto Echandi, 1988

PERSONAS QUE VIAJAN HACIA SAN JOSE EN AUTOBUS
DATOS DE CAMPO MEDIDOS EL LUNES 29/5/95
SITIO: Parada de autobuses, frente al Hospital México

| Localidad | PALMARES | | | | SAN RAMON | | | | GRECIA | | | | ATENAS | | | | NARANJO | | | | Total Intervalo | | | | |
|---------------------|----------|----|------|-----|-----------|----|------|-----|--------|-------|-------|------|--------|----|------|-----|---------|----|------|-----|-----------------|--|--|--|------|
| | N.U. | C | V. | P.T | N.U. | C | V | P.T | N.U. | C | V | P.T | N.U. | C | V | P.T | N.U. | C | V | P.T | | | | | |
| 5:15 a 5:30 | | | | | 1 | 65 | 50% | 33 | 1 | 65 | 25% | 16.3 | | | | | 1 | 65 | 100% | 65 | 114 | | | | |
| 5:31 a 5:45 | | | | | | | | | 2 | 65 | 50% | 65 | 1 | 65 | 100% | 65 | 1 | 65 | 50% | 33 | 163 | | | | |
| 5:46 a 6:00 | | | | | 1 | 40 | 100% | 40 | | | | | | | | | 1 | 65 | 100% | 65 | 105 | | | | |
| 6:01 a 6:15 | | | | | 2 | 65 | 100% | 130 | 4 | (*) | (*) | 185 | 1 | 65 | 100% | 65 | 1 | 65 | 100% | 65 | 510 | | | | |
| 6:16 a 6:30 | 1 | 65 | 100% | 65 | 1 | 65 | 100% | 65 | 2 | 65 | 75% | 97.5 | | | | | 3 | 65 | 100% | 185 | 423 | | | | |
| 6:31 a 6:45 | 1 | 65 | 100% | 65 | 2 | 65 | 50% | 65 | 1 | 105 | 100% | 105 | 1 | 65 | 100% | 65 | | | | | 333 | | | | |
| 6:46 a 7:00 | 2 | 65 | 75% | 98 | 2 | 65 | 50% | 65 | 3 | (**) | (**) | 138 | 1 | 65 | 100% | 65 | 2 | 65 | 25% | 33 | 447 | | | | |
| 7:01 a 7:15 | 1 | 65 | 100% | 65 | 3 | 65 | 75% | 146 | 3 | (**) | (**) | 138 | 1 | 65 | 100% | 65 | 2 | 65 | 25% | 33 | 447 | | | | |
| 7:16 a 7:30 | | | | | 2 | 65 | 100% | 130 | 1 | 105 | 100% | 105 | 1 | 65 | 100% | 65 | | | | | 300 | | | | |
| 7:31 a 7:45 | | | | | 1 | 65 | 81% | 53 | 4 | (***) | (***) | 150 | | | | | 1 | 65 | 100% | 65 | 268 | | | | |
| 7:46 a 8:00 | 1 | 65 | 100% | 65 | 1 | 65 | 81% | 53 | 2 | 65 | 100% | 130 | 1 | 65 | 100% | 65 | 2 | 65 | 100% | 130 | 443 | | | | |
| 8:01 a 8:15 | 1 | 65 | 100% | 65 | 1 | 65 | 100% | 65 | 1 | 65 | 100% | 65 | 1 | 65 | 115% | 75 | 1 | 65 | 100% | 65 | 335 | | | | |
| 8:16 a 8:30 | | | | | 1 | 65 | 81% | 53 | 1 | 40 | 100% | 40 | | | | | | | | | 93 | | | | |
| 8:31 a 8:45 | | | | | 1 | 65 | 100% | 65 | 1 | 65 | 100% | 65 | | | | | 1 | 65 | 115% | 75 | 140 | | | | |
| 8:46 a 9:00 | | | | | 1 | 65 | 100% | 65 | 1 | 65 | 100% | 65 | | | | | | | | | 65 | | | | |
| total/canton | | | | | 293 | | | | 767 | | | | 1032 | | | | 325 | | | | 130 | | | | 3736 |

DATOS DE CAMPO MEDIDOS EL LUNES 5/6/95

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|----|------|----|-----|----|------|-----|-----|----|------|----|-----|----|------|----|-----|----|------|----|-----|--|--|--|------|
| 9:01 a 9:15 | | | | | 1 | 65 | 100% | 65 | 1 | 65 | 100% | 65 | | | | | 1 | 65 | 100% | 65 | 195 | | | | |
| 9:16 a 9:30 | 1 | 65 | 100% | 65 | | | | | 1 | 65 | 115% | 75 | | | | | | | | | 140 | | | | |
| 9:31 a 9:45 | | | | | 2 | 65 | 100% | 130 | 1 | 40 | 100% | 40 | | | | | | | | | 170 | | | | |
| 9:46 a 10:00 | | | | | | | | | | | | | 1 | 65 | 100% | 65 | 1 | 65 | 100% | 65 | 130 | | | | |
| 10:01 a 10:15 | | | | | | | | | 1 | 65 | 100% | 65 | | | | | | | | | 65 | | | | |
| 10:16 a 10:30 | | | | | 1 | 65 | 100% | 65 | | | | | | | | | | | | | 65 | | | | |
| 10:31 a 10:45 | | | | | | | | | | | | | | | | | | | | | 0 | | | | |
| 10:46 a 11:00 | | | | | | | | | 1 | 65 | 115% | 75 | | | | | | | | | 75 | | | | |
| 11:01 a 11:15 | 1 | 65 | 100% | 65 | 1 | 40 | 100% | 40 | | | | | | | | | | | | | 105 | | | | |
| 11:16 a 11:30 | | | | | 1 | 65 | 50% | 33 | 1 | 65 | 115% | 75 | 1 | 65 | 115% | 75 | | | | | 182 | | | | |
| 11:31 a 11:45 | | | | | 1 | 65 | 100% | 65 | | | | | | | | | | | | | 65 | | | | |
| 11:46 a 12:00 | | | | | | | | | 1 | 40 | 100% | 40 | | | | | 1 | 65 | 100% | 65 | 105 | | | | |
| TOTAL | | | | | 130 | | | | 398 | | | | 434 | | | | 140 | | | | 195 | | | | 1297 |

OBSERVACIONES:

N.U.: número de unidades que pasaron en el intervalo
 C.: Capacidad de las unidades de la empresa
 V.: Volumen de pasajeros en porcentaje

(*) 3 Buses de 40 al 100%
 1 bus de 65 al 100%
 (***) 2 bus de 65 al 75%
 1 bus de 40 al 100%
 (***) 2 bus de 65 de 50%
 1 bus de 65 al 100%
 1 bus de 40 al 50%

PORCENTAJES:

(Caso de autobuses de 65 pasajeros)
 Autobus completamente lleno: 100% (Todos los asientos ocupados y 10 personas de pie)
 Autobus lleno: 87% (Todos los asientos ocupados)
 Autobus a media capacidad: 53% (Aproximadamente 40 pasajeros)
 Autobus vacío: 27% (Aproximadamente 20 pasajeros)

(Caso de busetas de 40 pasajeros)
 Buseta llena: 100% (Todos los asientos ocupados)
 Buseta a media capacidad: 50% (20 pasajeros)
 Buseta vacía: 25% (10 pasajeros o menos)

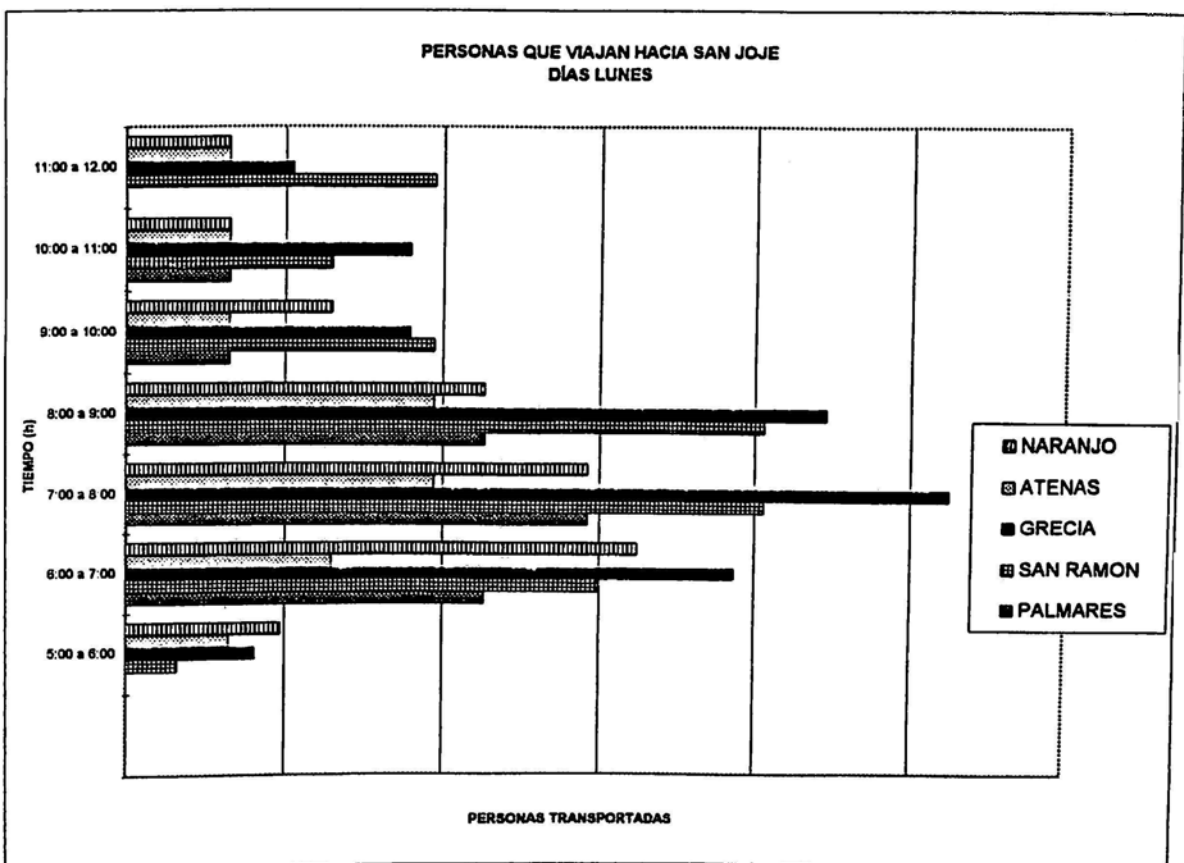
NOTA:

Los porcentajes en la tabla que no coincidan con los indicados en el formato son un promedio de dos o más categorías

**PERSONAS QUE VIAJAN A SAN JOSE EN AUTOBUS
ZONA DE OCCIDENTE**

| INTERVALO | PALMARE | SAN RAM | GRECIA | ATENAS | NARANJO | TOTAL |
|---------------|------------|-------------|-------------|------------|-------------|-------------|
| 5:00 a 6:00 | 0 | 33 | 81 | 65 | 98 | 278 |
| 6:00 a 7:00 | 228 | 300 | 388 | 130 | 325 | 1370 |
| 7:00 a 8:00 | 293 | 408 | 526 | 195 | 293 | 1712 |
| 8:00 a 9:00 | 228 | 406 | 446 | 195 | 228 | 1502 |
| 9:00 a 10:00 | 65 | 195 | 180 | 65 | 130 | 635 |
| 10:00 a 11:00 | 65 | 130 | 180 | 65 | 65 | 505 |
| 11:00 a 12:00 | 0 | 195 | 105 | 65 | 65 | 430 |
| TOTAL | 878 | 1665 | 1904 | 780 | 1203 | 6429 |

**PERSONAS QUE VIAJAN HACIA SAN JOJE
DÍAS LUNES**



PERSONAS QUE VIAJAN A SAN JOSE EN AUTOBUS EN OCCIDENTE
 DATOS COMBINADOS ENTRE MEDICION DE CAMPO Y APROXIMACION
 DIA MARTES 16/5/95

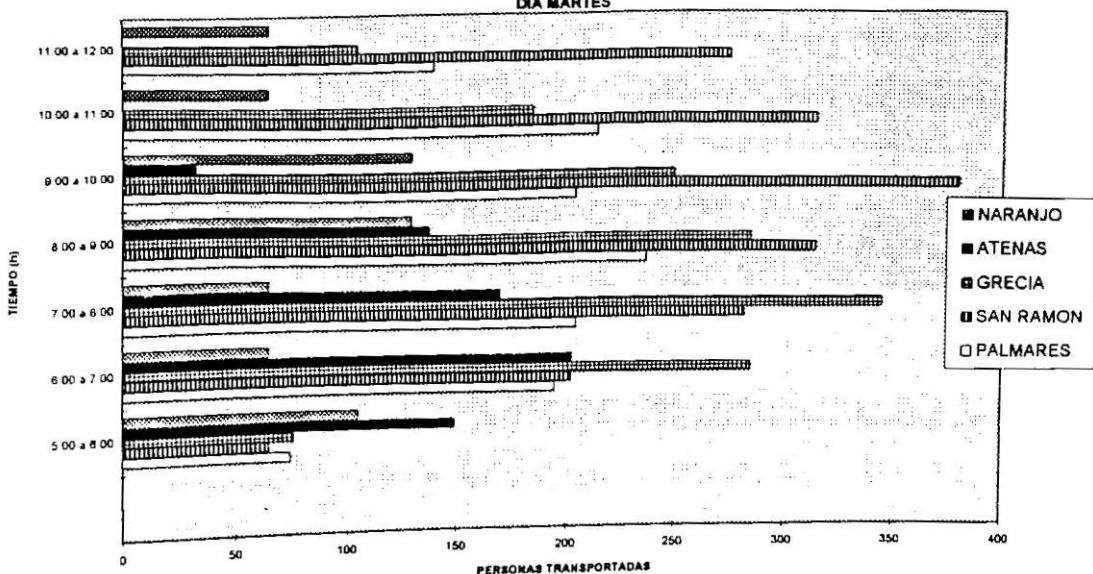
| Localidad Intervalo | PALMARES | | | | SAN RAMON | | | | GRECIA | | | | ATENAS | | | | NARANJO | | | | Total Intervalo |
|------------------------|----------|----|------|-----|-----------|----|------|-----|--------|----|------|-----|--------|----|------|-----|---------|----|------|-----|--------------------|
| | N.U. | C | V. | P.T | N.U. | C | V | P.T | N.U. | C | V | P.T | N.U. | C | V | P.T | N.U. | C | V | P.T | |
| 5:15 a 5:30 | | | | | 2 | 65 | 50% | 65 | 4 | 40 | 35% | 56 | 1 | 65 | 115% | 75 | 2 | 65 | 81% | 105 | 105 |
| 5:31 a 5:45 | | | | | | | | | 1 | 40 | 50% | 20 | 1 | 65 | 115% | 75 | | | | | 196 |
| 5:46 a 6:00 | 1 | 65 | 115% | 75 | | | | | 1 | 40 | 100% | 40 | | | | | | | | | 170 |
| 6:01 a 6:15 | 1 | 65 | 100% | 65 | 1 | 65 | 100% | 65 | 1 | 40 | 100% | 40 | | | | | | | | | 170 |
| 6:16 a 6:30 | | | | | 2 | 65 | 100% | 130 | 1 | 40 | 50% | 20 | 1 | 65 | 50% | 33 | | | | | 183 |
| 6:31 a 6:45 | 1 | 65 | 100% | 65 | | | | | 2 | 40 | 75% | 60 | | | | | | | | | 125 |
| 6:46 a 7:00 | 1 | 65 | 100% | 65 | 2 | 65 | 50% | 65 | 1 | 40 | 50% | 20 | 1 | 65 | 50% | 33 | | | | | 183 |
| 7:01 a 7:15 | 1 | 65 | 115% | 75 | 1 | 65 | 50% | 33 | 2 | 40 | 75% | 60 | 1 | 65 | 50% | 33 | | | | | 200 |
| 7:16 a 7:30 | 1 | 65 | 50% | 33 | 1 | 40 | 100% | 40 | 3 | 40 | 83% | 100 | 2 | 65 | 81% | 105 | | | | | 278 |
| 7:31 a 7:45 | 1 | 65 | 50% | 33 | 1 | 65 | 100% | 65 | 2 | 65 | 81% | 105 | 1 | 65 | 50% | 33 | 1 | 65 | 100% | 65 | 300 |
| 7:46 a 8:00 | 1 | 65 | 115% | 75 | 3 | 65 | 74% | 145 | 3 | 40 | 67% | 80 | | | | | | | | | 300 |
| 8:01 a 8:15 | | | | | 1 | 65 | 100% | 65 | | | | | | | | | 1 | 65 | 100% | 65 | 130 |
| 8:16 a 8:30 | 1 | 65 | 50% | 33 | 2 | 65 | 81% | 105 | 1 | 65 | 100% | 65 | | | | | | | | | 203 |
| 8:31 a 8:45 | 1 | 65 | 50% | 33 | | | | | 1 | 40 | 100% | 40 | | | | | | | | | 73 |
| 8:46 a 9:00 | | | | | 2 | 65 | 81% | 105 | | | | | | | | | | | | | 105 |
| 9:01 a 9:15 | | | | | 2 | 65 | 100% | 130 | | | | | 1 | 65 | 100% | 65 | 1 | 65 | 75% | 49 | 244 |
| 9:16 a 9:30 | | | | | | | | | 1 | 65 | 100% | 65 | | | | | | | | | 65 |
| 9:31 a 9:45 | | | | | | | | | 1 | 40 | 100% | 40 | | | | | | | | | 40 |
| 9:46 a 10:00 | | | | | | | | | | | | | | | | | | | | | |
| 10:01 a 10:15 | 1 | 65 | 75% | 49 | 1 | 65 | 75% | 49 | | | | | | | | | 1 | 65 | 75% | 49 | 146 |
| 10:16 a 10:30 | | | | | | | | | 1 | 65 | 100% | 65 | 1 | 65 | 100% | 65 | | | | | 130 |
| 10:31 a 10:45 | | | | | | | | | | | | | | | | | | | | | |
| 10:46 a 11:00 | | | | | | | | | | | | | | | | | | | | | |
| 11:01 a 11:15 | | | | | 4 | 65 | 75% | 195 | 1 | 40 | 100% | 40 | | | | | 1 | 65 | 50% | 33 | 268 |
| 11:16 a 11:30 | | | | | | | | | | | | | | | | | | | | | |
| 11:31 a 11:45 | | | | | | | | | 1 | 65 | 75% | 49 | | | | | | | | | 49 |
| 11:46 a 12:00 | | | | | | | | | | | | | | | | | | | | | |
| total/canton | | | | 598 | | | ### | | | | | 925 | | | | 515 | | | | 365 | 3660 |

ZONA DE OCCIDENTE
 AREA DE TRANSPORTE PUBLICO
 DATOS DE CAMPO HASTA LAS 9:00 AM Y LOS DEMAS SON APROXIMADOS VIA TELEFONO
 SITIO: Parada de autobuses, frente al Hospital México

PERSONAS QUE VIAJAN A SAN JOSE EN AUTOBUS

| INTERVALO | PALMARES | SAN RAMÓN | GRECIA | ATENAS | NARANJO | TOTAL |
|---------------|----------|-----------|--------|--------|---------|-------|
| 5 00 a 6 00 | 75 | 65 | 76 | 150 | 105 | 471 |
| 6 00 a 7 00 | 195 | 203 | 285 | 203 | 65 | 951 |
| 7 00 a 8 00 | 205 | 283 | 345 | 170 | 65 | 1068 |
| 8 00 a 9 00 | 237 | 315 | 285 | 138 | 130 | 1105 |
| 9 00 a 10 00 | 205 | 380 | 250 | 33 | 130 | 998 |
| 10 00 a 11 00 | 215 | 315 | 185 | 0 | 65 | 780 |
| 11 00 a 12 00 | 140 | 275 | 105 | 0 | 65 | 585 |
| TOTAL | 1271 | 1835 | 1532 | 693 | 625 | 5956 |

PERSONAS QUE VIAJAN HACIA SAN JOSE EN OCCIDENTE
DIA MARTES



Accidentes Laborales según Código de Ocupación, 1994

| Código | S. Ramón | Grecla | Atenas | Naranjo | Palmares | V. Vega | Gran Total | | |
|-------------------|------------|-------------|-----------|------------|------------|-----------|------------|-------------|-------------|
| | | | | | | | Fem | Masc | Total |
| 834 | 120 | 358 | 77 | 71 | 67 | 50 | 49 | 693 | 743 |
| 999 | 360 | 20 | 0 | 85 | 158 | 11 | 51 | 583 | 634 |
| 420 | 81 | 231 | 2 | 77 | 60 | 6 | 9 | 448 | 457 |
| 416 | 98 | 137 | 0 | 11 | 3 | 1 | 35 | 215 | 250 |
| 810 | 6 | 62 | 1 | 6 | 14 | 0 | 0 | 89 | 89 |
| 796 | 4 | 29 | 11 | 10 | 4 | 4 | 10 | 52 | 62 |
| 500 | 12 | 30 | 4 | 8 | 6 | 0 | 1 | 59 | 60 |
| 755 | 0 | 14 | 0 | 4 | 22 | 0 | 2 | 38 | 40 |
| 624 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 37 | 37 |
| 412 | 0 | 34 | 0 | 1 | 0 | 0 | 12 | 23 | 35 |
| 640 | 7 | 13 | 0 | 3 | 0 | 2 | 0 | 25 | 25 |
| 192 | 10 | 0 | 0 | 5 | 6 | 0 | 6 | 15 | 21 |
| 607 | 7 | 2 | 1 | 0 | 8 | 2 | 15 | 5 | 20 |
| 741 | 17 | 1 | 0 | 0 | 0 | 2 | 0 | 20 | 20 |
| 681 | 4 | 10 | 1 | 2 | 0 | 0 | 1 | 16 | 17 |
| 627 | 0 | 12 | 0 | 2 | 0 | 0 | 0 | 14 | 14 |
| 631 | 3 | 9 | 0 | 0 | 2 | 0 | 0 | 14 | 14 |
| 701 | 0 | 7 | 0 | 0 | 6 | 0 | 0 | 13 | 13 |
| 310 | 6 | 2 | 0 | 0 | 4 | 0 | 1 | 11 | 12 |
| 731 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 12 | 12 |
| 127 | 4 | 4 | 1 | 1 | 1 | 0 | 2 | 9 | 11 |
| 756 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 11 | 11 |
| 662 | 5 | 4 | 0 | 1 | 0 | 0 | 0 | 10 | 10 |
| 951 | 0 | 1 | 1 | 0 | 8 | 0 | 1 | 9 | 10 |
| Gran Total | 744 | 1040 | 99 | 287 | 369 | 78 | 195 | 2421 | 2617 |
| %Cantón | 28% | 40% | 4% | 11% | 14% | 3% | 7% | 93% | |

| CODIGO | DESCRIPCION |
|--------|---|
| 834 | OTROS OBREROS Y JORNALEROS NO ESPECIFICADOS |
| 999 | NO EXISTE |
| 420 | TRABAJADORES AGROPECUARIOS |
| 416 | ARBORICULTORES Y FRUTICULTORES |
| 810 | OBREROS Y JORNALEROS EN LA ACTIVIDAD DE LA CONSTRUCCION |
| 796 | OPERARIOS EN OTRAS OCUPACIONES RELACIONADAS CON FABRICACION DE ARTICULOS NO ESPECIFICADOS |
| 500 | CHOFERES DE TAXIS, CAMIONES, CAMIONETAS Y AUTOBUSES |
| 755 | SELECCIONADOR, MEZCLADORES Y TOSTADORES DE CAFE Y DE CACAO |
| 624 | NO EXISTE |
| 412 | AVICULTORES |
| 640 | ALBAÑILES, ENLADRILLADORES, ENLOSADORES, REVOCADORES Y ACABADORES Y CEMENTO |
| 192 | NO EXISTE |
| 607 | PERSONAS EN OCUPACIONES RELACIONADAS CON LA FABRIC DE PRODS TEXTILES Y AFINES |
| 741 | OPERARIOS DE LA INDUSTRIA DE LA MADERA |
| 681 | MECA REPA AUTOM,AUTOBUSES,CAMIONES,MOTOS |
| 630 | CARPINTEROS E ENSAMBLADORES DE PISOS |
| 631 | EBANISTAS, TORNEROS, FRESADORES, CEPILLADORES DE LA MADERA Y AFINES |
| 701 | OPERADORES DE PRENSAS DE IMPRESION Y LITOGRAFOS |
| 310 | VENDEDORES, DEPENDIENTES DE TIENDAS Y DEMOSTRADORES |
| 731 | ARTESANOS Y OPERARIOS DE LA INDUSTRIA DEL VIDRIO |
| 127 | DIRECTORES, SUBDIRECTORES, GERENTES, SUBGERENTES Y ADMINISTRADORES OTROS |
| 756 | OPERARIOS EN LA FABRICACION Y REFINACION DE AZUCAR |
| 662 | SODADORES A MANO, A MAQUINA, ARCO O SOPLETE, OXICORTADORES |
| 951 | ASEADORES, LIMPIADORES Y AFINES |

Accidentes Laborales según Actividad Económica, 1994

| Código | S. Ramón | Grecia | Atenas | Naranjo | Palmares | V. Vega | Gran Total | | |
|-------------------|------------|-------------|-----------|------------|------------|-----------|------------|-------------|-------------|
| | | | | | | | Fem | Masc | Total |
| 1110 | 123 | 408 | 9 | 67 | 35 | 22 | 33 | 631 | 664 |
| 1115 | 3 | 195 | 0 | 65 | 74 | 0 | 14 | 323 | 337 |
| 3311 | 134 | 18 | 13 | 10 | 19 | 36 | 1 | 228 | 230 |
| 5002 | 0 | 180 | 0 | 0 | 0 | 0 | 0 | 180 | 180 |
| 6200 | 32 | 83 | 1 | 6 | 20 | 0 | 8 | 134 | 142 |
| 1117 | 2 | 39 | 0 | 2 | 81 | 0 | 18 | 106 | 124 |
| 3220 | 36 | 0 | 26 | 25 | 24 | 0 | 77 | 34 | 111 |
| 9513 | 54 | 26 | 0 | 3 | 2 | 7 | 0 | 92 | 92 |
| 3691 | 2 | 0 | 0 | 0 | 73 | 0 | 0 | 75 | 75 |
| 5001 | 36 | 4 | 1 | 29 | 4 | 0 | 1 | 73 | 74 |
| 3909 | 53 | 2 | 5 | 2 | 2 | 0 | 4 | 60 | 64 |
| 5000 | 1 | 49 | 0 | 2 | 2 | 1 | 0 | 55 | 55 |
| 1113 | 0 | 0 | 0 | 51 | 0 | 0 | 1 | 50 | 51 |
| 1120 | 17 | 2 | 0 | 2 | 1 | 13 | 1 | 34 | 35 |
| 1112 | 32 | 0 | 0 | 0 | 0 | 0 | 8 | 24 | 32 |
| 3112 | 19 | 0 | 0 | 13 | 0 | 0 | 1 | 31 | 32 |
| 3118 | 30 | 1 | 0 | 0 | 0 | 0 | 0 | 31 | 31 |
| 3813 | 14 | 7 | 3 | 5 | 0 | 0 | 0 | 29 | 29 |
| 3121 | 0 | 0 | 0 | 0 | 26 | 0 | 2 | 24 | 26 |
| 7112 | 15 | 6 | 5 | 0 | 0 | 0 | 0 | 26 | 26 |
| 6310 | 15 | 1 | 0 | 0 | 7 | 0 | 8 | 15 | 23 |
| 2302 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 20 |
| 9100 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 18 |
| 3117 | 7 | 1 | 1 | 1 | 7 | 0 | 7 | 10 | 17 |
| 9310 | 2 | 0 | 14 | 1 | 0 | 0 | 6 | 11 | 17 |
| 9599 | 0 | 16 | 0 | 1 | 0 | 0 | 5 | 12 | 17 |
| 3710 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 15 | 15 |
| 6100 | 2 | 3 | 0 | 0 | 9 | 0 | 1 | 13 | 14 |
| 3113 | 2 | 0 | 0 | 8 | 0 | 0 | 4 | 6 | 10 |
| 0000 | 86 | 29 | 16 | 3 | 12 | 0 | 5 | 141 | 146 |
| Gran Total | 755 | 1085 | 94 | 296 | 398 | 79 | 205 | 2501 | 2707 |
| % Cantón | 28% | 40% | 3% | 11% | 15% | 3% | 8% | 92% | |

| CODIGO | DESCRIPCION | CODIGO | DESCRIPCION |
|--------|---|--------|---|
| 1110 | AGRICULTURA Y/O GANADERIA | 3112 | FABRICACION DE PRODUCTOS LACTEOS |
| 1115 | AGRICULTURA CAFE, CACAO Y OTROS | 3118 | FABRICACION Y REFINACION DE AZUCAR |
| 3311 | ASERRADEROS Y TALLERES PARA TRABAJAR MADERA | 3813 | FABRICACION DE ESTRUCTURAS METALICAS |
| 5002 | CONSTRUCCION MAS DE 2 PLANTAS | 3121 | ELABORACION PRODUCTOS ALIMENTICIOS VARI |
| 6200 | COMERCIO AL POR MENOR | 7112 | TRANSPORTE REMUNERADO DE PERSONAS |
| 1117 | GRANJAS AVES DE CORRAL | 6310 | EXPENDIOS DE COMIDAS Y BEBIDAS |
| 3220 | CONFECCION DE ROPA | 2302 | MINAS DE METALES NO FERROSOS |
| 9513 | REPARACION DE AUTOMOVILES Y MOTOCICLETAS | 9100 | ADMINISTRACION PUBLICA Y DEFENSA |
| 3691 | FAB LADRILLOS Y OTROS PRODUCT ARCILLA P CONST | 3117 | PANADERIAS |
| 5001 | CONSTRUCCION HASTA 2DA . PLANTA | 9310 | INSTRUCCION PUBLICA |
| 3909 | OTRAS INDUSTRIAS MANUFACTURERAS | 9599 | OTROS SERVICIOS PERSONALES |
| 5000 | CONSTRUCCION EN GENERAL | 3710 | INDUSTRIAS BASICAS DE HIERRO Y ACERO |
| 1113 | AGRICULTURA DE GRANOS, HORTALIZAS Y OTROS | 6100 | COMERCIO AL POR MAYOR |
| 1120 | SERVICIOS AGRICOLAS | 3113 | ENVASE Y CONSERVACION FRUTA Y LEGUMBRE |
| 1112 | FLORICULTURA | 0000 | ACTIVIDADES NO BIEN ESPECIFICADAS |

Fuente: INS, 1995

Accidentes Laborales según Lesión, 1994

| Código | S. Ramon | Grecia | Atenas | Naranjo | Palmares | V.Vega | Gran Total | | |
|------------|----------|--------|--------|---------|----------|--------|------------|------|-------|
| | | | | | | | Fem | Masc | Total |
| 9289 | 385 | 260 | 48 | 152 | 165 | 38 | 73 | 974 | 1048 |
| 8859 | 69 | 146 | 7 | 38 | 32 | 7 | 24 | 275 | 299 |
| 9179 | 54 | 129 | 8 | 33 | 36 | 12 | 14 | 258 | 272 |
| 9279 | 79 | 120 | 6 | 11 | 36 | 5 | 14 | 243 | 257 |
| 9203 | 15 | 100 | 3 | 14 | 20 | 1 | 6 | 147 | 153 |
| 9208 | 12 | 81 | 12 | 15 | 18 | 5 | 15 | 128 | 143 |
| 9169 | 32 | 64 | 4 | 5 | 14 | 2 | 9 | 112 | 121 |
| 9149 | 27 | 60 | 10 | 4 | 10 | 5 | 3 | 113 | 116 |
| 9204 | 28 | 0 | 0 | 11 | 14 | 2 | 20 | 35 | 55 |
| 9189 | 3 | 12 | 0 | 5 | 9 | 0 | 2 | 27 | 29 |
| 8809 | 5 | 15 | 0 | 0 | 9 | 0 | 1 | 28 | 29 |
| 8635 | 5 | 17 | 0 | 0 | 0 | 1 | 8 | 15 | 23 |
| 9209 | 4 | 14 | 0 | 3 | 1 | 0 | 7 | 15 | 22 |
| 8849 | 6 | 5 | 0 | 4 | 6 | 0 | 1 | 20 | 21 |
| 9240 | 6 | 8 | 0 | 0 | 2 | 0 | 4 | 12 | 16 |
| 9198 | 0 | 4 | 0 | 0 | 11 | 0 | 2 | 13 | 15 |
| 9889 | 0 | 8 | 2 | 0 | 0 | 1 | 0 | 11 | 11 |
| 9259 | 1 | 3 | 1 | 2 | 3 | 0 | 1 | 9 | 10 |
| Gran Total | 731 | 1046 | 101 | 297 | 386 | 79 | 204 | 2435 | 2640 |
| % Cantón | 28% | 40% | 4% | 11% | 15% | 3% | 8% | 92% | |

CODIGO

DESCRIPCION

| | |
|------|--|
| 9289 | MAGULLADURA DEL MIEMBRO INFERIOR (PARTE NO ESPECIFICADA) |
| 8859 | AMPUTACIÓN TRAUMÁTICA DEL PULGAR |
| 9179 | OTRO TRAUMATISMO SUPERF Y NO ESPEC, INFECTADO |
| 9279 | MAGULLADURA DEL MIEMBRO SUPERIOR (PARTE NO ESPECIFICADA) |
| 9203 | (920*: CONTUSION CARA, CUERO CABELLUDO, CUELLO) |
| 9208 | (920*: CONTUSION CARA, CUERO CABELLUDO, CUELLO) |
| 9169 | OTRO TRAUMATISMO SUPERF Y NO ESPEC, INFECTADO |
| 9149 | OTRO TRAUMATISMO SUPERF Y NO ESPEC, INFECTADO |
| 9240 | CONTUSIÓN MIEMBRO INFERIOR: CADERA Y MUSLO |
| 9189 | OTRO SITIO Y EL NO ESPECIFICADO |
| 8809 | HERIDA DEL HOMBRO Y BRAZO |
| 8635 | TRAUMATISMO DEL TRACTO GASTROINTESTINAL: COLON O RECTO CON HERIDA PENETRANTE |
| 9209 | (920*: CONTUSION CARA, CUERO CABELLUDO, CUELLO) |
| 8849 | HERIDA MULTIPLE NO ESPECIFICADA MIEMBRO SUPERIOR |
| 9198 | OTRO TRAUMATISMO SUPERF Y SAI SIN INFECCION |
| 9889 | EFEECTO TOXICO SUSTANCIAS NOCIVAS INGERIDAS COMO ALIMENTO (SIN ESPECIFIC) |
| 9259 | (925: MAGULLADURA CARA, CUERO CABELLUDO Y CUELLO) |

CANTON: NARANJO

COBERTURA

| DISTRITO | TOMAS | ABASTECEN | ADMINISTRADOR | Usuarios | NIVEL SERV. | Planta Tratamiento | NOTAS |
|--|--|-------------------------------------|---|----------|-------------------------|---|------------------------------------|
| Naranjo (*) | Candelaria, Quebrada Onda y Pavo Rojas | Candelaria y Naranjo | Acueducto Municipal | 3079 | Regular | | No abastece bien Candelaria (***) |
| San Miguel San José Cirrí Sur (**) | | San Miguel San José Cirrí Sur | Comite Cantonal Comite Cantonal Acueducto Municipal | 140 | Bueno Bueno Bueno | Existen cloradores instalados, pero en ninguna de las | |
| San Jerónimo | Los Porras, Los Robles, Bajo Valverde y Los Zuñiga | San Jerónimo y San Rafael | Acueducto Municipal | 512 | Regular | tomas se le da un tratamiento | No abastece bien S. Jerónimo (***) |
| San Juan | San Juan | San Juan | Asoc. Desar. del Muro | 130 | Bueno | continuo al agua | |
| Rosario | | Rosario | Comite Cantonal | | Regular | | No abastece bien San Rafael (***) |

(*) Dulce Nombre pertenece al distrito Central, pero tiene acueducto propio.

(**) La Municipalidad administra sólo el 45% del acueducto.

(***) Los tanques que están en las tomas son muy pequeños para abastecer a toda la población por lo que se están construyendo otros tanques para aumentar la captación.

CANTON: SAN RAMON
COBERTURA

| DISTRITO | TOMAS | ABASTECE | ADMINISTRADOR | Usuarios | NIVEL SERV. | Planta Tratamiento | NOTAS |
|----------------|-------|----------|---------------|--|-------------|---|--|
| San Juan | 1 | (*) | AYA | Rural | Bueno | En aproximadamente dos meses entra en funcionamiento una en las tomas del AYA en Piedades Norte | Los datos fueron recopilados en las oficinas del AYA de San Ramon el 3/10/95 |
| Piedades Norte | 1 | (*) | AYA | medidos = 2441 | Bueno | | |
| Alfaro | 1 | (*) | AYA | fijos = 62 | Bueno | | |
| San Ramón | 1 | (*) | AYA | Urbana medidos = 5269 fijos = 97 | Bueno | | |
| Piedades Sur | | (**) | Municipalidad | | | | |
| San Rafael | | (**) | Municipalidad | | | | |
| San Isidro | | (**) | Municipalidad | | | | |
| Angeles | | (**) | Municipalidad | | | | |
| Santiago | | (**) | Municipalidad | | | | |
| Volio | | (**) | Municipalidad | | | | |
| Concepción | | (**) | Municipalidad | | | | |
| Zapotal | | (**) | Municipalidad | | | | |
| Peñas Blancas | | (**) | Municipalidad | | | | |

(*) Las tomas administradas por el AYA abastecen
en:

San Ramón: El Centro, Zamora, Alfaro, Piedades Norte y San Juan.

Palmares: Buenos Aires, Cocaleca, Centro, La Granja, Calle Vargas y Zaragoza.

(**) Acueducto para cada distrito

CANTON: ATENAS

COBERTURA

| DISTRITO | TOMAS | UBICACIÓN | ABASTECE | ADMINISTRADOR | USUARIOS | | NIVEL SERV. | Planta Tratamiento |
|---------------|-------|------------|---------------------|--------------------------------|----------|-------|--------------|--------------------------------------|
| | | | | | medidos | tipos | | |
| Atenas | 1 (*) | Grecia | Atenas | AYA | 1702 | 342 | Regular (**) | Existe una pero no está en uso |
| Jesús | 1 | Barroeta | Barroeta (****) | AYA(15%) ,COMITE CANT.(85%) | | 51 | Regular (**) | |
| Mercedes | | | | AYA(60%) ,COMITE CANT.(40%) | 250 | 12 | Regular (**) | |
| San Isidro | 1 | San Isidro | San Isidro (***) | AYA | 61 | 3 | Regular (**) | |
| Concepción | 3 | Río Grande | Concepción | AYA(95%) ,COMITE CANT.(5%) | 461 | 4 | Regular (**) | |
| San José | 1 | Alto Lopez | Alto Lopez | AYA(85%) ,COMITE CANT.(15%) | 76 | 2 | Regular (**) | |
| Santa Eulalia | | | | AYA | 235 | 54 | Regular (**) | |

(*) La toma se ubica en Grecia en el Parque Nacional Prendas, esta fuente abastece el 85% de la población servida por AYA en la localidad y el 15% restante es abastecido por los comites cantonales

(**) El nivel de servicio se dice que es regular, pues la toma principal (Grecia) superó la vida útil de 20 años desde

hace 15 años y además aumentaron las urbanizaciones en gran cantidad. En cuanto a los comites cantonales

no se sabe a ciencia cierta cual es el estado actual de los mismos

(***)Para San Isidro el AYA abastece el 80% de la población, el resto de personas tienen agua de los ríos o pozos propios

(****)Es un caserío de Barrio Jesús, el cual por su ubicación respecto al Centro del distrito, no quiso ser abastecido por el

comite cantonal y el AYA tuvo que hacerse cargo de él.

La tarifa especial que se menciona en la hoja de tarifas, corresponde al cobro a este caserío.

ACUEDUCTO
ZONA DE OCCIDENTE
CANTON. SAN RAMON

TARIFA URBANA POR MES

| | Sin Hidrometros (cobro mensual) | Con Hidrometros (cobro mensual) | | | | | |
|--------------|------------------------------------|---------------------------------|---------|---------|---------|---------|------------|
| | | 0-15m3 | 16-25m3 | 26-40m3 | 41-60m3 | 61-80m3 | 81m3 o más |
| Domestica | 1090,69 | 683 | 53 | 66 | 87 | 116 | 116 |
| Comercial | 5821 | 2449 | 143 | 143 | 143 | 143 | 143 |
| Reproductiva | 9442 | 3801 | 226 | 226 | 226 | 226 | 226 |
| Preferencial | 2191 | 1056 | 56 | 56 | 56 | 56 | 56 |
| Gobierno | 2191 | 1056 | 56 | 56 | 56 | 56 | 56 |

TARIFA RURAL POR MES

| | Sin Hidrometros (cobro mensual) | Con Hidrometros (cobro mensual) | | | | | |
|--------------|------------------------------------|---------------------------------|---------|---------|---------|---------|------------|
| | | 0-15m3 | 16-25m3 | 26-40m3 | 41-60m3 | 61-80m3 | 81m3 o más |
| Comercial | 4529 | 1905 | 112 | 112 | 112 | 112 | 122 |
| Reproductiva | 7342 | 2956 | 177 | 177 | 177 | 177 | 177 |
| Preferencial | 1704 | 822 | 43 | 43 | 43 | 43 | 43 |
| Gobierno | 1704 | 822 | 43 | 43 | 43 | 43 | 43 |

CANTON: GRECIA

TARIFA MESUAL

| | Sin Hidrometros (cobro mensual) | Con Hidrometros (cobro mensual) | | | | | | | |
|--------------|------------------------------------|---------------------------------|---------|---------|---------|---------|--------------|-------------|--|
| | | 0-15m3 | 16-25m3 | 26-40m3 | 41-60m3 | 61-80m3 | 81m3 a 100m3 | 101m3 o más | |
| Domestica | ¢238 | ¢135 | ¢7.5 | ¢11.25 | ¢11.25 | ¢16.9 | ¢16.9 | ¢24.75 | |
| Comercial | ¢476 | ¢270 | ¢8.7 | ¢13.5 | ¢13.5 | ¢22.5 | ¢22.5 | ¢27.4 | |
| Reproductiva | ¢714 | ¢405 | ¢16.15 | ¢16.15 | ¢16.15 | ¢16.15 | ¢16.15 | ¢16.15 | |
| Preferencial | ¢238 | ¢135 | ¢9.75 | ¢9.75 | ¢9.75 | ¢9.75 | ¢23.65 | ¢23.65 | |
| Gobierno | ¢357 | ¢202.5 | ¢9.75 | ¢9.75 | ¢9.75 | ¢9.75 | ¢23.65 | ¢23.65 | |

Nota: Se consultó sobre la diferencia del formato del cobro, respecto a las otras localidades y el encargado del Acueducto Municipal nos informó que se debe a que en las otras localidades es un cobro realizado por el AYA y el de ellos es de la Municipalidad

ACUEDUCTO
ZONA DE OCCIDENTE
CANTON: ATENAS

TARIFA RURAL POR MES

| | Sin Hidrometros (cobro mensual) | Con Hidrometros (cobro mensual) | |
|--------------|------------------------------------|---------------------------------|-------------------------------------|
| | | U-15m3 | Notas importantes |
| Domestica | ¢848,50 | ¢530 | Cada m3 vale igual |
| Comercial | ¢4529 | ¢1905 | A partir de 15 m3 c/m3 vale aumenta |
| Reproductiva | ¢7342 | ¢2956 | Cada m3 vale igual |
| Preferencial | ¢1704 | ¢822 | Cada m3 vale igual |
| Gobierno | ¢1704 | ¢822 | Cada m3 vale igual |

TARIFA ESPECIAL

| | Sin Hidrometros (cobro mensual) | Nota: esta tarifa solo se cobra en un caserio llamado Barroeta, perteneciente al distrito de Barrio Jesús, y el agua tiene un precio diferente al cobrado por AYA en el resto de la localidad debido a que recibe poco tratamiento. |
|--------------|------------------------------------|---|
| Residencial | ¢293 | |
| Preferencial | ¢410 | |
| Gobierno | ¢410 | |

CANTON: VALVERDE VEGA

TARIFA

| | Sin Hidrometros (cobro trimestral) | Con Hidrometros (cobro trimestral) |
|--------------|---------------------------------------|---|
| Domestica | ¢600 | No hay este tipo de cobro en la localidad |
| Ordinaria | ¢1200 | |
| Reproductiva | ¢1800 | |
| Preferencial | ¢0 | |
| Gobierno | ¢0 | |

La tarifa que se cobra en la localidad, sin hidrómetro, es local por lo que no se puede encasillar dentro de alguna de las dadas por el AYA, para los otros pueblos de la zona.

ACUEDUCTO
ZONA DE OCCIDENTE
CANTON: PALMARES

TARIFA URBANA POR MES

| | Sin Hidrometros (cobro mensual) | Con Hidrometros (cobro mensual) | | | | | |
|--------------|------------------------------------|---------------------------------|---------|---------|---------|---------|------------|
| | | 0-15m3 | 16-25m3 | 26-40m3 | 41-60m3 | 61-80m3 | 81m3 o más |
| Domestica | ¢1091.00 | ¢525.00 | ¢40.00* | ¢51.00* | ¢67.00* | ¢89.00* | |
| Comercial | ¢4475.00 | ¢1884.00 | | | | | ¢111.00* |
| Reproductiva | ¢7262.00 | ¢2923.00 | | | | | ¢174.00* |
| Preferencial | ¢1686.00 | ¢811.00 | | | | | ¢43.00* |
| Gobierno | ¢1686.00 | ¢811.00 | | | | | ¢43.00* |

(*) Monto a cobrar por cada m3 de agua este dentro del rango establecido

TARIFA RURAL POR MES

| | Sin Hidrometros (cobro mensual) | Con Hidrometros (cobro mensual) | | | | | |
|--------------|------------------------------------|---------------------------------|---------|---------|---------|---------|------------|
| | | 0-15m3 | 16-25m3 | 26-40m3 | 41-60m3 | 61-80m3 | 81m3 o más |
| Domestica | ¢848.00 | ¢408.00 | ¢31.00* | ¢40.00* | ¢52.00* | ¢69.00* | |
| Comercial | ¢3484.00 | ¢1465.00 | | | | | ¢86.00* |
| Reproductiva | ¢2923.00 | ¢2263.00 | | | | | ¢136.00* |
| Preferencial | ¢811.00 | ¢631.00 | | | | | ¢33.00* |
| Gobierno | ¢811.00 | ¢631.00 | | | | | ¢33.00* |

ACUEDUCTO
ZONA DE OCCIDENTE
CANTON: NARANJO

TARIFA URBANA POR MES

| | Sin Hidrometros (cobro trimestral) | Con Hidrometro (cobro mensual) |
|--------------|---------------------------------------|-----------------------------------|
| Domestica | 324 | 500 * |
| Comercial | 648 | 1000 * |
| Reproductiva | 972 | 1500 * |
| Preferencial | 324 | 750 * |
| Gobierno | | 500 * |

(*) Cobro mensual para un mínimo de 15 m3.

Nota: Se consultó sobre la diferencia del formato del cobro, respecto a las otras localidades y el encargado del Acueducto Municipal nos informó que se debe a que en las otras localidades es un cobro realizado por el AYA y el de ellos es de la Municipalidad

CONSUMO DE COMBUSTIBLES POR CANTON

| CANTON | GASOLINA | | DIESEL | KEROSEN |
|---------------|----------|---------|----------|---------|
| | REGULAR | SUPER | | |
| PALMARES | 2061.00 | 1316.00 | 3964.00 | 70.00 |
| SAN RAMON | 5093.00 | 3117.00 | 12114.00 | 57.00 |
| NARANJO | 2398.00 | 1409.00 | 4797.00 | 60.00 |
| VALVERDE VEGA | 725.00 | 510.00 | 1403.00 | 0.00 |
| GRECIA | 4412.00 | 2857.00 | 9528.00 | 19.00 |
| ATENAS | 1551.00 | 817.00 | 2068.00 | 23.00 |

PORCENTAJE DE CADA COMBUSTIBLE POR CANTON

| CANTON | GASOLINA | | DIESEL | KEROSEN |
|---------------|----------|--------|--------|---------|
| | REGULAR | SUPER | | |
| PALMARES | 27.81% | 17.76% | 53.49% | 0.94% |
| SAN RAMON | 24.99% | 15.29% | 59.44% | 0.28% |
| NARANJO | 27.68% | 16.26% | 55.37% | 0.69% |
| VALVERDE VEGA | 27.48% | 19.33% | 53.18% | 0.00% |
| GRECIA | 26.24% | 16.99% | 56.66% | 0.11% |
| ATENAS | 34.78% | 18.32% | 46.38% | 0.52% |

PORCENTAJE DE CONSUMO DE COMBUSTIBLE POR CANTON

| CANTON | GASOLINA | | DIESEL | KEROSEN |
|---------------|----------|--------|--------|---------|
| | REGULAR | SUPER | | |
| PALMARES | 12.69% | 8.10% | 11.70% | 30.57% |
| SAN RAMON | 31.36% | 19.19% | 35.76% | 24.89% |
| NARANJO | 14.77% | 8.68% | 14.16% | 26.20% |
| VALVERDE VEGA | 4.46% | 3.14% | 4.14% | 0.00% |
| GRECIA | 27.17% | 17.59% | 28.13% | 8.30% |
| ATENAS | 9.55% | 5.03% | 6.10% | 10.04% |

ESTACIONES DE SERVICIO UBICADAS EN LA ZONA DE OCCIDENTE

| CODIGO | NOMBRE | CANTON | DIRECCION | DISTRITO | GASOLINA | GASOLINA | DIESEL | KEROSEN |
|--------|---|---------------|---|--------------|----------|----------|--------|---------|
| | | | | | REGULAR | SUPER | | |
| 2114 | Jesús Rojas Campos | Atenas | Atenas, 100 oeste Iglesia | Atenas | SI | SI | SI | SI |
| 3016 | Coope-Atenas R.L. | Atenas | Frente al ICE de Atenas | Atenas | SI | SI | SI | NO |
| 2055 | Servicentro Quesada Maroto S.R. | GreCIA | Tacares de GreCIA, costado este Iglesia | Tacares | SI | SI | SI | NO |
| 2121 | Estación de Servicio Cruz S.A. | GreCIA | 100 norte Iglesia GreCIA | GreCIA | SI | SI | SI | NO |
| 2116 | Servicentro Alvarado y Molina | GreCIA | Entrada GreCIA, carretera vieja | GreCIA | SI | SI | SI | NO |
| 3014 | Coope Agrícola Industrial Victoria R.L. | GreCIA | 3 km carretera a Poas, GreCIA | San Isidro | SI | NO | SI | SI |
| 2100 | Hnos. Sánchez Viquez | GreCIA | GreCIA centro, 200 norte Almacén Otto Kooper | GreCIA | SI | SI | SI | NO |
| 2144 | QUEYSO LTDA. | GreCIA | 500 norte Iglesia Sta. Gertrudis de GreCIA | San José | SI | SI | SI | SI |
| 2065 | Jorge Barrientos Herrera | Naranjo | 300 oeste Mercado Municipal de Naranjo | Naranjo | SI | SI | SI | SI |
| 2106 | Carlos L. Pérez Molina | Naranjo | Frente Cruz Roja entrada a Naranjo | Naranjo | SI | SI | SI | NO |
| 2342 | Inversiones el Hoyo S.A. | Naranjo | 300 sur peaje Naranjo | Fosario | SI | SI | SI | NO |
| 2332 | Servicentro A. V. Palmares | Palmares | 100 noroeste parque Palmares centro | Palmares | SI | SI | SI | SI |
| 2129 | Repuestos la Bomba LTDA. | Palmares | Palmares, Tres Puentes | Palmares | SI | SI | SI | SI |
| 2048 | Inversiones Rodríguez Herrera | San Ramón | Final radial San Ramón frente a los semáforos | San Ramón | SI | SI | SI | SI |
| 2050 | Zenen Ruiz Morales | San Ramón | Costado oeste Instituto Julio Acosta, San Ramón | San Ramón | SI | SI | SI | SI |
| 2083 | Importadora Sanú S.A. | San Ramón | Frente Instituto Superior Julio Acosta, San Ramón | San Ramón | SI | SI | SI | NO |
| 2084 | Servicentro Alvarado y Molina | San Ramón | Cruce a San Ramón, 1 km. oeste Carretera Interamericana | Sanlago | SI | SI | SI | NO |
| 2206 | Francisco Castro Matamoros | Valverde Vega | Sarchí centro, Estación Sarchí | Sarchí Norte | SI | SI | SI | NO |

FUENTE: RECOPE, DEPARTAMENTO DE RELACIONES COMERCIALES

UNIDADES: METROS CUBICOS

AÑO: 1994

NOTA: Un metro cúbico equivale a 1000 litros.

**CONSUMOS POR CANTÓN Y DISTRITO DE ACUERDO AL TIPO DE SERVICIO
DICIEMBRE 1992**

| CODIGO | NOMBRE | %CONSUMO POR TIPO | | | | | | | | | | | |
|--------|----------------|-------------------|------|------|---------|---------|-----|---------|-----|----------|----------|---------|--------|
| | | C1 | C2 | C3 | K1 | K2 | (*) | K3 | (*) | TOTAL | RESIDENC | GENERAL | INDUST |
| 20301 | GRECIA | 3589 | 627 | 92 | 788331 | 331081 | 1 | 148458 | 9 | 1267870 | 62.2% | 26.1% | 11.7% |
| 20601 | NARANJO | 4128 | 480 | 70 | 746752 | 198462 | 4 | 518538 | 1 | 1463752 | 51.0% | 13.6% | 35.4% |
| 20201 | SAN RAMON | 3037 | 606 | 58 | 629270 | 288532 | 2 | 95018 | 12 | 1012820 | 62.1% | 28.5% | 9.4% |
| 20203 | SAN JUAN | 2381 | 119 | 35 | 422360 | 98097 | 7 | 54076 | 18 | 574533 | 73.5% | 17.1% | 9.4% |
| 20304 | SAN ROQUE | 2266 | 136 | 49 | 378623 | 40176 | 13 | 156286 | 8 | 575085 | 65.8% | 7.0% | 27.2% |
| 20501 | ATENAS | 1691 | 283 | 48 | 366328 | 118006 | 3 | 22246 | 24 | 506580 | 72.3% | 23.3% | 4.4% |
| 20302 | SAN ISIDRO | 1775 | 115 | 29 | 326723 | 46330 | 11 | 401463 | 3 | 774516 | 42.2% | 6.0% | 51.8% |
| 20305 | TACARES | 1554 | 103 | 24 | 307719 | 48194 | 10 | 15619 | 26 | 371532 | 82.8% | 13.0% | 4.2% |
| 20702 | ZARAGOZA | 1504 | 53 | 58 | 281783 | 25183 | 17 | 507564 | 2 | 814530 | 34.6% | 3.1% | 62.3% |
| 21201 | SARCHI NORTE | 1556 | 182 | 68 | 267970 | 61106 | 8 | 45654 | 20 | 374730 | 71.5% | 16.3% | 12.2% |
| 20206 | SAN RAFAEL | 1563 | 73 | 15 | 252195 | 13310 | 23 | 61872 | 16 | 327377 | 77.0% | 4.1% | 18.9% |
| 20701 | PALMARES | 1009 | 309 | 48 | 245328 | 243241 | 3 | 79089 | 14 | 567658 | 43.2% | 42.8% | 13.9% |
| 20703 | BUENOS AIRES | 1045 | 44 | 37 | 194666 | 12376 | 24 | 49093 | 19 | 256135 | 76.0% | 4.8% | 19.2% |
| 20204 | PIEDRES NORTE | 1258 | 50 | 18 | 190632 | 10423 | 28 | 15399 | 27 | 216454 | 88.1% | 4.8% | 7.1% |
| 20307 | LA LITE PIEDRA | 1033 | 56 | 14 | 181138 | 18921 | 18 | 84421 | 13 | 284480 | 63.7% | 6.7% | 29.7% |
| 20308 | SULLAVAR | 1035 | 59 | 11 | 143941 | 10825 | 27 | 6809 | 33 | 161575 | 89.1% | 6.7% | 4.2% |
| 21202 | SARCHI SUR | 837 | 87 | 49 | 141512 | 26886 | 16 | 185305 | 7 | 353703 | 40.0% | 7.6% | 52.4% |
| 20706 | ESQUIPULAS | 820 | 26 | 42 | 141093 | 8947 | 30 | 29041 | 22 | 179081 | 78.8% | 5.0% | 16.2% |
| 20502 | JESUS | 903 | 44 | 13 | 129759 | 9234 | 29 | 72598 | 15 | 211591 | 61.3% | 4.4% | 34.3% |
| 20202 | SANTIAGO | 734 | 43 | 25 | 129343 | 39914 | 14 | 115203 | 11 | 284460 | 45.5% | 14.0% | 40.5% |
| 20707 | GRANJA | 688 | 31 | 42 | 128456 | 16632 | 20 | 23204 | 23 | 168292 | 76.3% | 9.9% | 13.8% |
| 20505 | CONCEPCION | 558 | 35 | 23 | 112617 | 14065 | 21 | 137650 | 10 | 264332 | 42.6% | 5.3% | 52.1% |
| 20303 | SAN JOSE | 634 | 46 | 10 | 108616 | 13638 | 22 | 3377 | 36 | 125631 | 86.5% | 10.9% | 2.7% |
| 20205 | PIEDADES SUR | 860 | 109 | 14 | 103403 | 53133 | 9 | 293805 | 4 | 450341 | 23.0% | 11.8% | 65.2% |
| 20503 | MERCEDES | 523 | 20 | 15 | 102308 | 5207 | 35 | 210443 | 6 | 317958 | 32.2% | 1.8% | 66.2% |
| 20207 | SAN ISIDRO | 637 | 23 | 15 | 99171 | 8290 | 32 | 266079 | 5 | 373540 | 26.5% | 2.2% | 71.2% |
| 20704 | SANTIAGO | 572 | 35 | 12 | 90860 | 8590 | 31 | 3188 | 37 | 102638 | 88.5% | 8.4% | 3.1% |
| 20607 | ROSARIO | 573 | 47 | 17 | 89770 | 12192 | 25 | 3497 | 35 | 105459 | 85.1% | 11.6% | 3.3% |
| 20209 | ALFARO | 608 | 31 | 8 | 88956 | 33771 | 15 | 3738 | 34 | 126465 | 70.3% | 26.7% | 3.0% |
| 20602 | SAN MIGUEL | 498 | 35 | 6 | 77683 | 44997 | 12 | 35739 | 21 | 158419 | 49.0% | 28.4% | 22.6% |
| 20604 | CIRRI SUR | 547 | 39 | 2 | 76722 | 11232 | 26 | 20244 | 25 | 108198 | 70.9% | 10.4% | 18.7% |
| 20605 | SAN JERONIMO | 475 | 32 | 6 | 67097 | 4427 | 38 | 9526 | 28 | 81050 | 82.8% | 5.5% | 11.8% |
| 20504 | SAN ISIDRO | 477 | 24 | 5 | 63859 | 6130 | 33 | 7722 | 30 | 77711 | 82.2% | 7.9% | 9.9% |
| 21204 | SAN PEDRO | 476 | 29 | 9 | 58094 | 5011 | 36 | 2734 | 38 | 65839 | 88.2% | 7.6% | 4.2% |
| 20506 | SAN JOSE | 322 | 18 | 12 | 55457 | 3693 | 42 | 7440 | 31 | 66590 | 83.3% | 5.5% | 11.2% |
| 20507 | SANTA EULALIA | 305 | 13 | 15 | 53594 | 6122 | 34 | 7206 | 32 | 66922 | 80.1% | 9.1% | 10.8% |
| 20606 | SAN JUAN | 333 | 15 | 1 | 51559 | 4473 | 37 | 104 | 44 | 56136 | 91.8% | 8.0% | 0.2% |
| 20705 | CANDELARIA | 303 | 19 | 3 | 40249 | 4061 | 40 | 56667 | 17 | 100977 | 39.9% | 4.0% | 56.1% |
| 21205 | RODRIGUEZ | 271 | 17 | 3 | 36743 | 4108 | 39 | 1857 | 39 | 42708 | 86.0% | 9.6% | 4.3% |
| 20211 | CONCEPCION | 344 | 13 | 2 | 36090 | 1928 | 43 | 312 | 42 | 38330 | 94.2% | 5.0% | 0.8% |
| 20603 | SAN JOSE | 286 | 20 | 2 | 35975 | 3792 | 41 | 164 | 43 | 39931 | 90.1% | 9.5% | 0.4% |
| 20208 | ANGELES | 249 | 58 | 15 | 32691 | 113750 | 6 | 8846 | 29 | 155287 | 21.1% | 73.3% | 5.7% |
| 20210 | VOLIO | 191 | 11 | 2 | 23391 | 1278 | 44 | 634 | 41 | 25303 | 92.4% | 5.1% | 2.5% |
| 21203 | TORO AMARILLO | 30 | 6 | 4 | 6124 | 18252 | 19 | 1088 | 40 | 25464 | 24.0% | 71.7% | 4.3% |
| | TOTAL | 44476 | 4221 | 1046 | 7904951 | 2048016 | | 3769016 | | 13721983 | | | |

(*) : POSICIÓN CORRESPONDIENTE A UN ORDEN DECRECIENTE POR CONSUMO

SIMBOLOGIA

C1= USUARIOS RESIDENCIAL

C2= USUARIOS GENERAL

C3= USUARIOS INDUSTRIAL

K1 = CONSUMO EN KWH RESIDENCIAL

K2 = CONSUMO EN KWH GENERAL

K4 = CONSUMO EN KWH INDUSTRIAL

Fuente: Instituto Costarricense de Electricidad (ICE)

SERVICIOS TÉCNICOS O PROFESIONALES OFRECIDOS AL PÚBLICO EN LA ZONA DE OCCIDENTE

| CODIGO | NOMBRE | ABOGADOS | CONTADORES | INGENIEROS | SERV. EMP. | MÉDICOS | REP. CUERO | REP. ELÉCT. | REP. VEHÍC. |
|--------|------------------|----------|------------|------------|------------|---------|------------|-------------|-------------|
| 10201 | San Ramon | 26 | 8 | 7 | 3 | 28 | 13 | 13 | 23 |
| 10202 | Santiago | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 10203 | San Juan | 0 | 0 | 2 | 0 | 1 | 3 | 5 | 12 |
| 10204 | Piedades Norte | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 |
| 10205 | Piedades Sur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 10206 | San Rafael | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 10207 | San Isidro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10208 | Angeles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10209 | Alfaro | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| 10210 | Volio | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 10211 | Concepción | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10212 | Zapotal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10213 | Peñas Blancas | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 10301 | Grecia | 19 | 3 | 5 | 1 | 30 | 8 | 13 | 36 |
| 10302 | San Isidro | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| 10303 | San José | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 11 |
| 10304 | San Roque | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 10304 | San Roque | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| 10305 | Tacares | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10306 | Río Cuarto | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10307 | Puente de Pierda | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 10308 | Bolivar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 10501 | Atenas | 4 | 1 | 0 | 0 | 9 | 6 | 8 | 10 |
| 10502 | Jesús | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 10503 | Mercedes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 10504 | San Isidro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10505 | Concepción | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 10506 | San José | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 10507 | Santa Eulalia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10601 | Naranjo | 9 | 0 | 1 | 0 | 15 | 8 | 11 | 20 |
| 10602 | San Miguel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10602 | San Miguel | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 10603 | San José | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| 10604 | Cirri Sur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 10605 | San Jeronimo | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 10606 | San Juan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10607 | Rosario | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10701 | Palmares | 7 | 3 | 6 | 1 | 17 | 7 | 7 | 13 |
| 10701 | Palmares | 0 | 0 | 1 | 0 | 0 | 3 | 2 | 4 |
| 10702 | Zaragoza | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 |
| 10703 | Buenos Aires | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 10704 | San Diego | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 10705 | Candelaria | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 10706 | Esquipulas | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 3 |
| 10707 | Granja | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 8 |
| 11201 | Sarchi Norte | 2 | 1 | 2 | 0 | 2 | 2 | 3 | 8 |
| 11201 | Sarchi Norte | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| 11202 | Sarchi Sur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11203 | Toro Amarillo | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 11204 | San Pedro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11205 | Rodríguez | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | | 69 | 17 | 27 | 5 | 103 | 61 | 69 | 221 |

| NOMBRE | CIU | EXPLICACIÓN |
|-------------|------|--|
| ABOGADOS | 8321 | SERVICIOS JURÍDICOS |
| CONTADORES | 8322 | SERVICIOS DE CONTABILIDAD, AUDITORÍA Y TENEDURÍA DE LIBROS |
| INGENIEROS | 8324 | SERVICIOS TÉCNICOS Y ARQUITECTÓNICOS |
| SERV. EMP. | 8329 | SERVICIOS A EMPRESAS, N.E.P.; EXCEPTO ALQUILER Y ARRENDAMIENTO DE MAQUINARIA |
| MÉDICOS | 9331 | SERVICIOS MÉDICOS Y ODONTOLÓGICOS Y OTROS SERVICIOS DE SANIDAD |
| REP. CUERO | 9511 | REPARACIÓN DE CALZADO Y OTROS ARTÍCULOS DE CUERO |
| REP. ELÉCT. | 9512 | TALLERES DE REPARACIONES ELÉCTRICAS |
| REP. VEHIC. | 9513 | REPARACIÓN DE AUTOMOVILES Y MOTOCICLETAS |

PRINCIPALES CONSUMIDORES DE RECURSOS EN LA ZONA DE OCCIDENTE

| CODIGO | NOMBRE | INGENIOS | BENEF. | MADERA | | TAJOS | IND. ALIM. |
|--------|------------------|----------|--------|---------------|-----------|-------|------------|
| | | | | PROCESAMIENTO | INDUSTRIA | | |
| 20201 | San Ramón | 1 | 4 | 4 | 16 | 0 | 22 |
| 20202 | Santiago | 1 | 0 | 1 | 1 | 0 | 1 |
| 20203 | San Juan | 0 | 1 | 1 | 11 | 1 | 3 |
| 20204 | Piedadas Norte | 3 | 0 | 0 | 1 | 0 | 1 |
| 20205 | Piedadas Sur | 0 | 0 | 0 | 2 | 0 | 1 |
| 20206 | San Rafael | 0 | 0 | 1 | 1 | 0 | 1 |
| 20207 | San Isidro | 0 | 0 | 1 | 2 | 0 | 1 |
| 20208 | Angeles | 1 | 0 | 0 | 1 | 0 | 0 |
| 20209 | Alfaro | 0 | 0 | 0 | 0 | 0 | 0 |
| 20210 | Volio | 1 | 0 | 0 | 0 | 0 | 0 |
| 20211 | Concepción | 2 | 0 | 0 | 0 | 0 | 1 |
| 20212 | Zapotal | 0 | 0 | 0 | 0 | 0 | 0 |
| 20213 | Peñas Blancas | 0 | 0 | 0 | 2 | 0 | 0 |
| 20301 | Grecia | 1 | 4 | 3 | 14 | 0 | 13 |
| 20302 | San Isidro | 1 | 0 | 0 | 1 | 0 | 0 |
| 20303 | San José | 0 | 0 | 0 | 0 | 0 | 0 |
| 20304 | San Roque | 0 | 1 | 0 | 5 | 0 | 2 |
| 20305 | Tacares | 5 | 0 | 0 | 1 | 1 | 2 |
| 20306 | Rio Cuarto | 0 | 0 | 0 | 2 | 0 | 0 |
| 20307 | Puente de Pierda | 1 | 1 | 0 | 4 | 1 | 1 |
| 20308 | Bolivar | 0 | 0 | 1 | 3 | 0 | 0 |
| 20501 | Atenas | 1 | 1 | 0 | 8 | 0 | 6 |
| 20502 | Jesús | 1 | 0 | 0 | 0 | 0 | 0 |
| 20503 | Mercedes | 0 | 1 | 0 | 1 | 0 | 0 |
| 20504 | San Isidro | 1 | 0 | 0 | 0 | 0 | 0 |
| 20505 | Concepción | 0 | 1 | 0 | 2 | 2 | 0 |
| 20506 | San José | 0 | 0 | 0 | 0 | 0 | 1 |
| 20507 | Santa Eulalia | 0 | 3 | 0 | 1 | 0 | 0 |
| 20601 | Naranjo | 1 | 1 | 2 | 14 | 0 | 9 |
| 20602 | San Miguel | 0 | 0 | 0 | 0 | 0 | 0 |
| 20603 | San José | 0 | 0 | 0 | 2 | 0 | 1 |
| 20604 | Cirri Sur | 0 | 0 | 0 | 2 | 0 | 2 |
| 20605 | San Jeronimo | 0 | 0 | 0 | 1 | 0 | 0 |
| 20606 | San Juan | 0 | 0 | 1 | 2 | 0 | 1 |
| 20607 | Rosario | 1 | 0 | 0 | 0 | 0 | 0 |
| 20701 | Palmares | 0 | 2 | 1 | 16 | 0 | 9 |
| 20702 | Zaragoza | 0 | 0 | 0 | 9 | 0 | 3 |
| 20703 | Planos Aires | 0 | 2 | 1 | 12 | 0 | 0 |
| 20704 | Santiago | 0 | 0 | 1 | 5 | 0 | 0 |
| 20705 | Candelaria | 0 | 0 | 0 | 0 | 0 | 2 |
| 20706 | Esquipulas | 0 | 0 | 0 | 9 | 0 | 2 |
| 20707 | Granja | 0 | 0 | 0 | 10 | 0 | 4 |
| 21201 | Sarchi Norte | 0 | 1 | 1 | 15 | 0 | 5 |
| 21202 | Sarchi Sur | 0 | 0 | 1 | 34 | 0 | 2 |
| 21203 | Toro Amarillo | 0 | 0 | 0 | 0 | 0 | 0 |
| 21204 | San Pedro | 0 | 0 | 0 | 4 | 0 | 0 |
| 21205 | Rodríguez | 0 | 0 | 0 | 5 | 0 | 0 |
| TOTAL | | 22 | 23 | 20 | 219 | 5 | 96 |

| NOMBRE | CIU | EXPLICACIÓN |
|---------------|-------------|--|
| INGENIOS | 3118 | FABRICAS Y REFINADORAS DE AZUCAR |
| BENEF. | 3121 | BENEFICIOS, ELABORACIÓN DE PRODUCTOS ALIMENTICIOS DIVERSOS |
| PROCESAMIENTO | 3311 | ASERRADEROS Y TALLERES DE ACEPILLADURA |
| INDUSTRIA | 3319 Y 3320 | FABRICACIÓN DE PRODUCTOS DE MADERA Y DE CORCHO, N.E.P. |
| TAJOS | 2901 | EXTRACCIÓN DE PIEDRA, ARCILLA Y ARENA |
| IND. ALIM | 3100 | INDUSTRIA ALIMENTICIA |

NÚMERO DE COMERCIOS POR DISTRITO EN LA ZONA DE OCCIDENTE

| CÓDIGO | NOMBRE | Pulperia | Carnicería | Verdulería | Pescadería | Librería | Farmacia | Panadería | Supermerc. | Restaurante | Hotel |
|--------|------------------|----------|------------|------------|------------|----------|----------|-----------|------------|-------------|-------|
| 20201 | San Ramon | 51 | 18 | 17 | 6 | 4 | 1 | 1 | 1 | 64 | 5 |
| 20202 | Santiago | 11 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| 20203 | San Juan | 28 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 12 | 0 |
| 20204 | Pedados Norte | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 20205 | Pedados Sur | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| 20206 | San Rafael | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 20207 | San Isidro | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 20208 | Angeles | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 20209 | Alfaro | 12 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 0 |
| 20210 | Volto | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 20211 | Concepción | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 20212 | Zapotal | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20213 | Peñas Blancas | 16 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 20301 | Grecia | 65 | 12 | 15 | 3 | 5 | 4 | 1 | 1 | 59 | 1 |
| 20302 | San Isidro | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 20303 | San Isidro | 13 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| 20304 | San Isidro | 19 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 12 | 0 |
| 20305 | Toluca | 14 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 9 | 0 |
| 20306 | San Isidro | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 |
| 20307 | Puerto de Piedra | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 20308 | Bolivar | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 20501 | Atenas | 30 | 7 | 6 | 1 | 0 | 2 | 0 | 0 | 30 | 1 |
| 20502 | Jesús | 8 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| 20503 | Mercedes | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| 20504 | San Isidro | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 20505 | Concepción | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| 20506 | San Jose | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 20507 | Santa Eulalia | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 20601 | Naranjo | 44 | 7 | 9 | 2 | 2 | 3 | 2 | 4 | 45 | 1 |
| 20602 | San Miguel | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 20603 | San José | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| 20604 | Cirri Sur | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 |
| 20605 | San Jeronimo | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 20606 | San Juan | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 20607 | Rosario | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 20701 | Palmares | 27 | 13 | 8 | 2 | 1 | 1 | 0 | 0 | 28 | 1 |
| 20702 | Zaragoza | 18 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 11 | 0 |
| 20703 | Buenos Aires | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 20704 | Santiago | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| 20705 | Candelaria | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 20706 | Esquipulas | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 20707 | Granja | 13 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| 21201 | Sarchi Norte | 21 | 3 | 3 | 0 | 0 | 1 | 0 | 0 | 21 | 0 |
| 21202 | Sarchi Sur | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 21203 | Toro Amarillo | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 21204 | San Pedro | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 21205 | Rodríguez | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| TOTAL | | 695 | 67 | 68 | 15 | 14 | 12 | 5 | 7 | 464 | 9 |

| NOMBRE | CIU | EXPLICACIÓN |
|--------------|------|---|
| Pulperia | 6201 | Pulperia |
| Carnicería | 6202 | Carnicería |
| Verdulería | 6203 | Verdulería |
| Pescadería | 6204 | Pescadería |
| Librería | 6206 | Librería |
| Farmacia | 6210 | Farmacia |
| Panadería | 6214 | Productos de Panadería |
| Supermerc | 6220 | Supermercados y Tiendas por Departamentos |
| Restaurantes | 6310 | Restaurantes, Cafés y otros Establecimientos que expenden Comidas y Bebidas |
| Hotels | 6320 | Hotels, Casas de Huéspedes, Campamentos y otros Lugares de Alojamiento |

CANTIDAD DE LOCALES POR CÓDIGO CIU EN CADA CANTÓN, SEGÚN D.G.E.C. 1990

| CIU | EXPLICACIÓN | SAH RAMOII | GRECIA | ATENAS | NARANJO | PALMARES | V.VEGA | TOTAL |
|------|---|---------------|--------|--------|---------|----------|--------|-------|
| 6201 | PULPERÍAS | 205 | 174 | 72 | 101 | 96 | 47 | 696 |
| 6310 | RESTAURANTES, CAFES Y OTROS ESTABLECIMIENTOS QUE EXPENDEN COMIDAS Y BEBIDAS | 123 | 120 | 54 | 76 | 57 | 34 | 464 |
| 9513 | REPAR. DE AUTOMOVILES Y MOTOCICLETAS | 52 | 74 | 15 | 29 | 32 | 19 | 221 |
| 6217 | GENÉROS TEXTILES, PRENDAS DE VESTIR Y CALZADO | 60 | 58 | 21 | 24 | 33 | 7 | 233 |
| 3320 | FABRICACION DE MUEBLES Y ACCESORIOS, EXCEPTO LOS DE METAL | 30 | 24 | 11 | 20 | 59 | 47 | 191 |
| 9591 | PELUQUERIA Y SALONES DE BELLEZA | 36 | 27 | 13 | 17 | 16 | 8 | 117 |
| 9331 | SERVICIOS MEDICOS Y ODONTOLOGICOS Y OTROS SERVICIOS DE SANIDAD | 29 | 30 | 9 | 15 | 18 | 2 | 103 |
| 3220 | FABRICACION DE PRENDAS DE VESTIR, EXCEPTO CALZADO | 37 | 14 | 8 | 9 | 26 | 3 | 97 |
| 6205 | FERRETERIAS | 13 | 33 | 6 | 7 | 11 | 11 | 81 |
| 6321 | SERVICIOS JURIDICOS | 26 | 19 | 6 | 9 | 7 | 2 | 69 |
| 9512 | TALLERES DE REPARACION ELECTRICAS | 19 | 17 | 6 | 13 | 11 | 3 | 69 |
| 6203 | VERDULERIA | 20 | 18 | 8 | 9 | 10 | 3 | 68 |
| 6202 | CARNICERIA | 21 | 14 | 8 | 8 | 13 | 3 | 67 |
| 6209 | BAZAR | 21 | 14 | 6 | 5 | 11 | 7 | 64 |
| 9511 | REPARACION DE CALZADO Y OTROS ARTICULOS DE CUERO | 19 | 9 | 6 | 9 | 16 | 2 | 61 |
| 6216 | MUEBLES, ACCESORIOS Y ARTEFACTOS ELECTRICOS PARA EL HOGAR | 11 | 19 | 4 | 10 | 5 | 9 | 58 |
| 3813 | FABRICACION DE PRODUCTOS METALICOS ESTRUCTURALES | 15 | 15 | 7 | 9 | 6 | 4 | 56 |
| 3117 | FABRICACION DE PRODUCTOS DE PANADERIA | 18 | 11 | 3 | 5 | 6 | 2 | 45 |
| 9490 | SERVICION DE DIVERSION Y ESPARCIMIENTO, NEP. | 12 | 7 | 3 | 7 | 10 | 0 | 39 |
| 3116 | PRODUCTOS DE MOLINERIA | 5 | 4 | 1 | 5 | 13 | 5 | 33 |
| 6215 | VEHICULOS AUTOMOVILES, MOTOCICLETAS | 8 | 14 | 1 | 5 | 4 | 1 | 33 |
| 3699 | FABRICACION DE PRODUCTOS MINERALES NO METALICOS NEP. | 8 | 10 | 0 | 6 | 4 | 3 | 31 |
| 3240 | FABRICACION DE CALZADO, EXCEPTO EL DE CAUCHO VULCANIZADO O MOLDEADO DE PLASTICO | 8 | 20 | 0 | 1 | 0 | 0 | 29 |
| 3319 | FABRICACION DE PRODUCTOS DE MADERA Y DE CORCHO, N.E.P | 7 | 6 | 1 | 1 | 2 | 11 | 28 |
| 8324 | SERVICIOS TECNICOS Y ARQUITECTONICOS | 10 | 6 | 0 | 1 | 8 | 2 | 27 |
| 3121 | ELABORACION DE PRODUCTOS ALIMENTICIOS DIVERSOS | 5 | 6 | 6 | 1 | 4 | 1 | 23 |
| 3118 | FABRICAS Y RIFINADORAS DE AZUCAR | 9 | 8 | 3 | 2 | 0 | 0 | 22 |
| 9514 | REPAR. DE RELOJES Y JOYAS | 7 | 8 | 0 | 3 | 2 | 1 | 21 |
| 3311 | ASERRADEROS, TALLERES DE ACEPILLADURA Y OTROS TALLERES PARA TRABAJAR LA MADERA | 8 | 4 | 0 | 3 | 3 | 2 | 20 |
| 9592 | ESTUDIOS FOTOGRAFICOS, INCLUIDA LA FOTOGRAFIA COMERCIAL | 8 | 4 | 1 | 3 | 2 | 1 | 19 |
| 6167 | PRODUCTOS ALIMENTICIOS, BEBIDAS Y TABACO | 3 | 4 | 2 | 5 | 4 | 1 | 19 |
| 8322 | SERVICIOS DE CONTABILIDAD, AUDITORIA Y TENEDURIA DE LIBROS | 8 | 3 | 1 | 0 | 3 | 2 | 17 |
| 3829 | CONSTRUCCION DE MAQUIL. Y EQUIPO, NEP EXCEP. LA MAQUINARIA ELECTRICA | 8 | 7 | 0 | 0 | 2 | 0 | 17 |
| 6218 | ESTACIONES DE GASOLINA | 4 | 5 | 2 | 2 | 2 | 1 | 16 |
| 6204 | PESCADERIA | 6 | 3 | 1 | 2 | 3 | 0 | 15 |
| 6206 | LIBRERIAS | 6 | 5 | 0 | 2 | 1 | 0 | 14 |
| 9519 | OTROS SERVICIOS DE REPARACION | 5 | 3 | 0 | 1 | 4 | 0 | 13 |
| 6210 | FARMACIA | 1 | 4 | 2 | 3 | 1 | 1 | 12 |
| 5000 | CONSTRUCCION | 4 | 3 | 0 | 0 | 3 | 1 | 11 |
| 9599 | SERVICIOS PERSONALES NEP. | 2 | 2 | 2 | 3 | 1 | 0 | 10 |
| 6320 | HOTELES, CASAS DE HUESPEDES, CAMPAMENTOS Y OTROS LUGARES DE ALOJAMIENTOS | 5 | 1 | 1 | 1 | 1 | 0 | 9 |
| 6213 | POLLOS Y/O HUEVOS | 1 | 5 | 1 | 2 | 0 | 0 | 9 |
| 6219 | ARTICULOS DEPORTIVOS | 1 | 4 | 0 | 2 | 2 | 0 | 9 |
| 3843 | FABRIC. DE VEHICULOS AUTOMOVILES | 1 | 4 | 0 | 2 | 0 | 2 | 9 |
| 6211 | VETERINARIA | 4 | 2 | 0 | 2 | 0 | 0 | 8 |
| 3213 | FABRICAS DE TEJIDOS DE PUNTO | 3 | 0 | 0 | 1 | 4 | 0 | 8 |
| 7114 | TRANS. DE CARGA POR CARRETERA | 0 | 7 | 0 | 0 | 1 | 0 | 8 |
| 6220 | SUPERMERCADOS Y TIENDAS POR DEPARTAMENTOS | 1 | 2 | 0 | 4 | 0 | 0 | 7 |
| 3812 | FABRICACION DE MUEBLES Y ACCESORIOS PRINCIPALES METALICOS. | 1 | 1 | 0 | 0 | 5 | 0 | 7 |
| 6208 | JOYERIA | 3 | 1 | 1 | 0 | 1 | 1 | 7 |
| 6207 | FLORISTERIAS | 3 | 0 | 1 | 1 | 2 | 0 | 7 |
| 3909 | INDUSTRIAS MANUFACTURERAS NEP | 1 | 1 | 0 | 1 | 3 | 0 | 6 |

CANTIDAD DE LOCALES POR CÓDIGO CIU EN CADA CANTÓN, SEGÚN D.G.E.C. 1990

| CIU | EXPLICACION | SAN RAMÓN | GRECIA | ATENAS | NARANJO | PALMARES | V. VEGA | TOTAL |
|------|---|-----------|--------|--------|---------|----------|---------|-------|
| 6212 | DEPOSITOS DE LICORES | 2 | 1 | 1 | 0 | 1 | 1 | 6 |
| 8412 | DISTRIBUCION DE EXHIBICION DE PELICULAS CINEMATOGRAFICAS | 2 | 2 | 0 | 1 | 1 | 0 | 6 |
| 2901 | EXTRACCION DE PIEDRA, ARCILLA Y ARENA | 1 | 2 | 2 | 0 | 0 | 0 | 5 |
| 3420 | IMPRESAS, EDITORIALES E INDUSTRIAS CONEXAS | 3 | 1 | 0 | 0 | 1 | 0 | 5 |
| 6214 | PRODUCTOS DE PANADERIA | 1 | 1 | 0 | 2 | 1 | 0 | 5 |
| 3822 | CONSTRUCCION DE MAQUINARIA Y EQUIPO PARA LA AGRICULTURA | 1 | 3 | 0 | 0 | 1 | 0 | 5 |
| 8329 | SERVICIOS PRESTADOS A LAS EMPRESAS NEP, EXCEPTO EL ALQUILER Y ARRENDAMIENTO DE MAQUINARIA | 3 | 1 | 0 | 0 | 1 | 0 | 5 |
| 3824 | CONSTRUCCION DE MAQUINARIA Y EQUIPO ESPECIALES PARA LAS INDUSTRIAS | 0 | 3 | 0 | 0 | 0 | 2 | 5 |
| 3212 | ARTICULOS CONFERENCIAS DE MATERIALES TEXTILES EXCEPTO PRENDAS DE VESTIR | 3 | 0 | 0 | 0 | 1 | 0 | 4 |
| 6100 | COMERCIO AL POR MAYOR | 1 | 0 | 0 | 0 | 3 | 0 | 4 |
| 2302 | EXTRACCION DE METALES METALICOS NO FERROSOS | 3 | 0 | 0 | 0 | 0 | 1 | 4 |
| 3112 | FABRICACION DE PRODUCTOS LACTEOS | 2 | 0 | 0 | 2 | 0 | 0 | 4 |
| 3113 | ENVASADO Y CONSERVACION DE FRUTAS Y LEGUMBRES | 1 | 0 | 2 | 0 | 1 | 0 | 4 |
| 6200 | COMERCIO AL POR MENOR NO ESPECIFICADO EN OTRA PARTE | 3 | 0 | 0 | 1 | 0 | 0 | 4 |
| 3831 | CONST. DE MAQ. Y APARATOS INDUSTRIALES ELECTRICOS | 1 | 2 | 0 | 0 | 1 | 0 | 4 |
| 3610 | FABRICACION DE PRODUCTOS DE BARRO, LOZA, CERAMICA Y PORCELANA | 2 | 0 | 0 | 0 | 1 | 1 | 4 |
| 3233 | FABRIC. DE PRODUC. DE CUERO Y SUCEDANEOS DE CUERO. EXCEPTO EL CALZADO Y OTR. PRENDAS DE VESTIR. | 0 | 3 | 0 | 1 | 0 | 0 | 4 |
| 7191 | SERVICIOS RELACIONADOS CON EL TRANSPORTE | 0 | 1 | 0 | 1 | 2 | 0 | 4 |
| 3901 | FAB. DE JOYAS Y ARTICULOS CONEXOS | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| 8325 | SERVICIOS DE PUBLICIDAD | 0 | 1 | 0 | 0 | 1 | 1 | 3 |
| 7112 | TRANSPORTE URBANO, SUBURBANO E INTERURBANO DE PASAJEROS POR CARRETERA | 1 | 0 | 0 | 1 | 1 | 0 | 3 |
| 8340 | INSTITUCIONES DE ASISTENCIA SOCIAL | 1 | 0 | 1 | 0 | 1 | 0 | 3 |
| 3140 | INDUSTRIA DEL TABACO | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| 3134 | INDUSTRIAS DE BEBIDAS NO ALCOHOLICAS Y AGUAS GASEOSAS | 1 | 2 | 0 | 0 | 0 | 0 | 3 |
| 3111 | MATANZA DE GANADO Y PREPARACION Y CONSERVACION DE CARNE | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| 9413 | EMISORAS DE RADIO Y TELEVISION | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| 3823 | CONSTRUCCION DE MAQUINARIA PARA TRABAJAR LOS METALES Y LA MADERA | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| 6103 | MADERA ASERRADA Y MATERIALES DE CONSTRUCCION | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 3844 | FABRIC. DE MOTOCICLETAS Y BICICLETAS | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 3849 | CONST. DE MATERIAL DE TRANSPORTE, NEP | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 6106 | ARTICULOS TEXTILES Y PRENDAS DE VESTIR | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| 3211 | HILADO, TEJIDO Y ACABADO DE TEXTILES | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 3529 | FABRICACION DE PROD. QUIMICOS N.E.P. | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 3832 | CONS. DE EQUIP. Y APARATOS DE RADIO, DE TELEVISION Y DE COMUNICACIONES | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 3131 | DESTILACION, RECTIFICACION Y MEZCLA DE BEBIDAS ESPIRITUOSAS (EXCEPTO VINO) | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 3819 | FABRICACION DE PRODUCTOS METALICOS, NEP EXCEPTUANDO MAQUINARIA Y EQUIPO | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 3559 | FABRICACION DE PRODUCTOS DE CAUCHO, NEP (EXCEPTO LLANTAS Y CAMARAS DE CAUCHO) | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 9520 | LAVANDERIAS Y SERVICIOS DE LAVANDERIA, ESTABLECIMIENTOS DE LIMPIEZA Y TENIDO | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 3811 | FABRICACION DE CUCHILLERIA, HERRAM. MANUALES Y ARTICULOS GENERALES DE FERRETERIA | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 3720 | INDUSTRIA BASICAS DE METALES NO FERROSOS | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 3839 | CONST. DE APARATOS Y SUMINISTROS ELECTRICOS, NEP | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 8310 | BIENES INMUEBLES | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 6104 | MAQ. Y MAT. DE LA MISMA PARA LA INDUS., EL COMER. Y LA AGRICUL. Y VEH. AUT. | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 7116 | SERVICIOS RELACIONADOS CON EL TRANSPORTE TERRESTRE | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 7113 | OTROS SERVICIOS TERRESTRES DE TRANSPORTE DE PASAJEROS | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 6109 | MUEBLES Y ACCESORIOS PARA EL HOGAR | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 3851 | FABRICACION DE EQ. PROF. Y CIENTIFICO E INSTRUMENTOS DE MEDIDA Y DE CONTROL, NEP | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 8350 | ASOCIACIONES COMERCIALES, PROFESIONALES Y LABORALES | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 3852 | FABRIC. DE APARATOS FOTOGRAFICOS E INSTRUMENTOS DE OPTICA | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 6101 | MATERIAS PRIMAS AGROPECUARIAS | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 3903 | FAB. DE ARTICULOS DE DEPORTE Y ATLETISMO | 1 | 0 | 0 | 0 | 0 | 0 | 1 |

NÚMERO TOTAL DE CABEZAS DE GANADO Y NÚMERO TOTAL DE EXPLOTACIONES EN LA
REGIÓN DEL VALLE CENTRAL EN LOS PERÍODOS DE 1973 - 1984

| CANTÓN | CODIGO | TOTAL DE CABEZAS DE GANADO | | | | | | | |
|---------------|--------|----------------------------|--------|----------------------|--------|-----------------|--------|----------------------|--------|
| | | CENSO 1973 | | | | CENSO 1984 | | | |
| | | Tamaño del Hato | % | No. de Explotaciones | % | Tamaño del Hato | % | No. de Explotaciones | % |
| San Ramón | 202 | 26697 | 39,79 | 1378 | 41,09 | 28395 | 41,25 | 1575 | 45,06 |
| Grecia | 203 | 18735 | 27,92 | 612 | 18,25 | 22791 | 33,11 | 720 | 20,60 |
| Atenas | 205 | 11210 | 16,71 | 538 | 16,04 | 9150 | 13,29 | 490 | 14,02 |
| Valverde Vega | 212 | 2462 | 3,67 | 160 | 4,77 | 2480 | 3,60 | 185 | 5,29 |
| Naranjo | 206 | 5966 | 8,89 | 457 | 13,63 | 3966 | 5,76 | 389 | 11,13 |
| Palmares | 207 | 2025 | 3,02 | 209 | 6,23 | 2048 | 2,98 | 136 | 3,89 |
| TOTAL | | 67095 | 100,00 | 3354 | 100,00 | 68830 | 100,00 | 3495 | 100,00 |

Fuente: Censo Agropecuario de 1973 y de 1984.
Dirección General de Estadísticas y Censos.

GANADO VACUNO EN LA ZONA OCCIDENTAL DE LA GAM

| CANTON | DISTRITO | CODIGO | Número de explotaciones | Total de cabezas de ganado vacuno |
|---------------|-----------------------------|--------|-------------------------|-----------------------------------|
| San Ramón | San Ramon | 20201 | 1 | 2 |
| | Santiago | 20202 | 113 | 3180 |
| | San Juan | 20203 | 37 | 545 |
| | Piedades Norte | 20204 | 160 | 1552 |
| | Piedades Sur | 20205 | 223 | 6489 |
| | San Rafael | 20206 | 138 | 1325 |
| | San Isidro | 20207 | 52 | 361 |
| | Los Angeles | 20208 | 169 | 4324 |
| | Alfaro | 20209 | 56 | 658 |
| | Volio | 20210 | 63 | 480 |
| | Concepción | 20211 | 47 | 852 |
| | Zapotal | 20212 | 65 | 2655 |
| | San Isidro de Peñas Blancas | 20213 | 254 | 3674 |
| TOTAL | | | 1378 | 26697 |
| Grecia | Grecia | 20301 | 20 | 576 |
| | San Isidro | 20302 | 56 | 353 |
| | San José | 20303 | 90 | 361 |
| | San Roque | 20304 | 59 | 705 |
| | Tacares | 20305 | 41 | 297 |
| | Río Cuarto | 20306 | 201 | 15697 |
| | Puente Piedra | 20307 | 33 | 143 |
| | Bolívar | 20308 | 112 | 603 |
| TOTAL | | | 612 | 18735 |
| Atenas | Atenas | 20501 | 81 | 1862 |
| | Jesús | 20502 | 156 | 3579 |
| | Mercedes | 20503 | 50 | 898 |
| | San Isidro | 20504 | 79 | 1273 |
| | Concepción | 20505 | 77 | 2002 |
| | San José | 20506 | 64 | 851 |
| | Santa Eulalia | 20507 | 31 | 745 |
| TOTAL | | | 538 | 11210 |
| Naranjo | Naranjo | 20601 | 73 | 708 |
| | San Miguel | 20602 | 39 | 867 |
| | San José | 20603 | 132 | 1312 |
| | Cirri Sur | 20604 | 83 | 1284 |
| | San Jerónimo | 20605 | 34 | 861 |
| | San Juan | 20606 | 62 | 494 |
| | Rosano | 20607 | 34 | 440 |
| TOTAL | | | 457 | 5966 |
| Palmares | Palmares | 20701 | 2 | 23 |
| | Zaragoza | 20702 | 47 | 911 |
| | Buenos Aires | 20703 | 38 | 360 |
| | Santiago | 20704 | 38 | 152 |
| | Candelaria | 20705 | 28 | 148 |
| | Esquipulas | 20706 | 42 | 286 |
| | La Granja | 20707 | 14 | 145 |
| TOTAL | | | 209 | 2025 |
| Valverde Vega | Sarchi Norte | 21201 | 18 | 231 |
| | Sarchi Sur | 21202 | | |
| | Toro Amarillo | 21203 | 42 | 1476 |
| | San Pedro | 21204 | 49 | 349 |
| | Rodríguez | 21205 | 33 | 293 |
| TOTAL | | | 160 | 2462 |

Fuente: Censo Agropecuario de 1973 y de 1984.

**TAMAÑO DEL HATO EN GANADO VACUNO
POR CANTÓN Y DISTRITO, DURANTE 1973 - 1984**

| CANTON | DISTRITO | CODIGO | TOTAL DE CABEZAS DE GANADO VACUNO | | DIFERENCIA | TASA CRECIMIENTO (período 73-84) | CRECIMIENTO ANUAL |
|-----------------------------|----------------|--------|--------------------------------------|--------|------------|--|----------------------|
| | | | 1973 | 1984 | | | |
| San Ramón | San Ramon | 20201 | 2 | 253 | 251 | 12550% | 23 |
| | Santiago | 20202 | 3.180 | 2.548 | -632 | -20% | -57 |
| | San Juan | 20203 | 545 | 88 | -457 | -84% | -42 |
| | Piedades Norte | 20204 | 1.552 | 2.343 | 791 | 51% | 72 |
| | Piedades Sur | 20205 | 6.489 | 5.139 | -1.350 | -21% | -123 |
| | San Rafael | 20206 | 1.325 | 1.291 | -34 | -3% | -3 |
| | San Isidro | 20207 | 361 | 335 | -26 | -7% | -2 |
| | Los Angeles | 20208 | 4.324 | 6.411 | 2.087 | 48% | 190 |
| | Altaro | 20209 | 658 | 741 | 83 | 13% | 8 |
| | Volo | 20210 | 480 | 840 | 360 | 75% | 33 |
| | Concepción | 20211 | 852 | 274 | -578 | -68% | -53 |
| | Zapotal | 20212 | 2.655 | 2.017 | -638 | -24% | -58 |
| San Isidro de Peñas Blancas | 20213 | 3.674 | 5.115 | 1.441 | 39% | 131 | |
| TOTAL | | | 26.697 | 28.395 | 1.698 | 6% | 154 |
| Grecia | Grecia | 20301 | 576 | 121 | -455 | -79% | -41 |
| | San Isidro | 20302 | 353 | 636 | 283 | 80% | 26 |
| | San José | 20303 | 361 | 928 | 567 | 157% | 52 |
| | San Roque | 20304 | 705 | 407 | -298 | -42% | -27 |
| | Tacares | 20305 | 297 | 125 | -172 | -58% | -16 |
| | Río Cuarto | 20306 | 15.697 | 19.729 | 4.032 | 26% | 367 |
| | Puente Piedra | 20307 | 143 | 222 | 79 | 55% | 7 |
| | Bolívar | 20308 | 603 | 573 | -30 | -5% | -3 |
| TOTAL | | | 18.735 | 22.791 | 4.056 | 22% | 369 |
| Atenas | Atenas | 20501 | 1.862 | 979 | -883 | -47% | -80 |
| | Jesús | 20502 | 3.579 | 3.839 | 260 | 7% | 24 |
| | Mercedes | 20503 | 898 | 743 | -155 | -17% | -14 |
| | San Isidro | 20504 | 1.273 | 789 | -484 | -38% | -44 |
| | Concepción | 20505 | 2.002 | 1.262 | -740 | -37% | -67 |
| | San José | 20506 | 851 | 949 | 98 | 12% | 9 |
| | Santa Eulalia | 20507 | 745 | 590 | -155 | -21% | -14 |
| TOTAL | | | 11.210 | 9.150 | -2.060 | -18% | -187 |
| Naranjo | Naranjo | 20601 | 708 | 159 | -549 | -78% | -50 |
| | San Miguel | 20602 | 867 | 73 | -794 | -92% | -72 |
| | San José | 20603 | 1.312 | 1.433 | 121 | 9% | 11 |
| | Cirri Sur | 20604 | 1.284 | 1.333 | 49 | 4% | 4 |
| | San Jerónimo | 20605 | 861 | 745 | -116 | -13% | -11 |
| | San Juan | 20606 | 494 | 101 | -393 | -80% | -36 |
| | Rosano | 20607 | 440 | 145 | -295 | -67% | -27 |
| TOTAL | | | 5.966 | 3.989 | -1.977 | -33% | -180 |
| Palmares | Palmares | 20701 | 23 | 37 | 14 | 61% | 1 |
| | Zaragoza | 20702 | 911 | 193 | -718 | -79% | -65 |
| | Buenos Aires | 20703 | 360 | 1.125 | 765 | 213% | 70 |
| | Santiago | 20704 | 152 | 288 | 136 | 89% | 12 |
| | Candelana | 20705 | 148 | 81 | -67 | -45% | -6 |
| | Esquipulas | 20706 | 286 | 236 | -50 | -17% | -5 |
| | La Granja | 20707 | 145 | 0 | -145 | -100% | -13 |
| TOTAL | | | 2.025 | 2.048 | 23 | 1% | 2 |
| Valverde Vega | Sarchi Norte | 21201 | 231 | 141 | -90 | -39% | -8 |
| | Sarchi Sur | 21202 | | 89 | 89 | | 8 |
| | Toro Amarillo | 21203 | 1.476 | 1.771 | 295 | 20% | 27 |
| | San Pedro | 21204 | 349 | 275 | -74 | -21% | -7 |
| | Rodríguez | 21205 | 293 | 240 | -53 | -18% | -5 |
| TOTAL | | | 2.462 | 2.480 | 18 | 1% | 2 |

Fuente: Censo Agropecuario de 1973 y de 1984

CUADRO N° 1

Área Cultivada con Caña de Azúcar en la Región del Valle Central Occidental
Períodos de 1973 y 1994 - 1995

| Cantón | 1973 | 1994 - 1995 | Diferencia | % de Disminución |
|---------------|---------|-------------|------------|------------------|
| San Ramón | 1357,20 | 942,64 | -414,56 | -31% |
| Grecia | 5083,50 | 2714,73 | -2368,77 | -47% |
| Atenas | 680,40 | 377,24 | -303,16 | -45% |
| Naranjo | 372,40 | 23,65 | -348,75 | -94% |
| Palmares | 1,40 | 11,20 | 9,8 | 700% |
| Valverde Vega | 440,90 | 156,80 | -284,1 | -64% |
| Total | 7935,80 | 4226,26 | -3709,54 | -47% |

Fuente: L.A.I.C.A., Grecia, 1995; y Censo Agropecuario de 1973.

CUADRO N° 2: Los datos son incorrectos; no se puede concluir lo expresado en él.

CUADRO N° 3

Producción de Caña de Azúcar en el Valle Central Occidental, Durante 1973

| Cantón | N° de Extensiones | Área Total (Ha.) | Producción Total (Ton.) |
|---------------|-------------------|------------------|-------------------------|
| San Ramón | 657 | 1357,20 | 59155,00 |
| Grecia | 803 | 5083,50 | 377015,00 |
| Atenas | 243 | 680,40 | 44954,00 |
| Naranjo | 122 | 372,40 | 17867,00 |
| Palmares | 2 | 1,40 | 126,00 |
| Valverde Vega | 118 | 440,90 | 34559,00 |
| Total | 1945 | 7935,80 | 533676,00 |

Fuente: Censo Agropecuario de 1973. Dirección General de Estadística y Censos.

CUADRO N° 4

Área Cultivada con Caña de Azúcar en la Región del Valle Central Occidental, Durante 1994

| Tamaño de la Finca (Ha.) | Productores | | Área Cultivada (Ha.) | |
|-----------------------------|-------------|---------|----------------------|---------|
| | Número | % | Área | % |
| 0 < 1 | 182 | 20,09% | 103,70 | 1,81% |
| 1 < 2 | 235 | 25,94% | 312,21 | 5,44% |
| 2 < 3 | 181 | 19,98% | 429,18 | 7,48% |
| 3 < 4 | 83 | 9,16% | 274,57 | 4,79% |
| 4 < 5 | 63 | 6,95% | 273,10 | 4,76% |
| 5 < 10 | 109 | 12,03% | 710,08 | 12,38% |
| 10 < 20 | 29 | 3,20% | 351,23 | 6,12% |
| 20 < 30 | 6 | 0,66% | 172,70 | 3,01% |
| 30 < 40 | 1 | 0,11% | 39,55 | 0,69% |
| 40 < 50 | 2 | 0,22% | 91,00 | 1,59% |
| 50 < 80 | 6 | 0,66% | 254,00 | 4,43% |
| 80 < 100 | 1 | 0,11% | 88,20 | 1,54% |
| 150 < 200 | 3 | 0,33% | 154,00 | 2,68% |
| 300 < 400 | 1 | 0,11% | 315,00 | 5,49% |
| 400 < 500 | 1 | 0,11% | 490,00 | 8,54% |
| 500 < 700 | 3 | 0,33% | 1678,00 | 29,25% |
| Total | 906 | 100,00% | 5736,52 | 100,00% |

Fuente: L.A.I.C.A.; Grecia, 1995

Producción de Caña de Azúcar en la Región del Valle Central Occidental

| Cantón | Distrito | Código | Nº de Fincas | Área Cultivada (Ha.) | Producción (Ton.) |
|---------------|----------------|--------|--------------|----------------------|-------------------|
| San Ramón | San Ramón | 20201 | 1 | 7,0 | 500,0 |
| | Santiago | 20202 | 37 | 107,7 | 5783,0 |
| | San Juan | 20203 | 54 | 129,2 | 5044,0 |
| | Piedades Norte | 20204 | 191 | 583,0 | 25025,0 |
| | Piedades Sur | 20205 | 73 | 59,5 | 1408,0 |
| | San Rafael | 20207 | 23 | 68,0 | 3520,0 |
| | San Isidro | 20208 | 8 | 5,1 | 265,0 |
| | Angeles | 20209 | 88 | 145,3 | 5883,0 |
| | Alfaro | 20210 | 35 | 30,8 | 698,0 |
| | Volio | 20211 | 84 | 138,6 | 5900,0 |
| | Concepción | 20212 | 43 | 65,1 | 4655,0 |
| | Zapotal | 20213 | 12 | 10,9 | 379,0 |
| | Peñas Blancas | 20214 | 8 | 7,0 | 95,0 |
| Total | | | 657 | 1357,2 | 59155,0 |
| Grecia | Grecia | 20301 | 73 | 404,3 | 29166,0 |
| | San Isidro | 20302 | 109 | 620,7 | 48076,0 |
| | San José | 20303 | 192 | 553,2 | 34829,0 |
| | San Roque | 20304 | 92 | 469,5 | 32548,0 |
| | Tacares | 20305 | 142 | 2042,5 | 151650,0 |
| | Río Cuarto | 20306 | 19 | 33,1 | 1711,0 |
| | Puente Piedras | 20307 | 102 | 780,9 | 69039,0 |
| | Bolívar | 20308 | 74 | 179,3 | 9996,0 |
| Total | | | 803 | 5083,5 | 377015,0 |
| Atenas | Atenas | 20501 | 34 | 85,7 | 5322,0 |
| | Jesús | 20502 | 56 | 58,8 | 2722,0 |
| | Mercedes | 20503 | 26 | 27,2 | 1193,0 |
| | San Isidro | 20504 | 16 | 7,8 | 215,0 |
| | Concepción | 20505 | 29 | 46,3 | 2990,0 |
| | San José | 20506 | 32 | 70,3 | 4484,0 |
| | Santa Eulalia | 20507 | 50 | 384,3 | 28028,0 |
| Total | | | 243 | 680,4 | 44954,0 |
| Naranjo | Naranjo | 20601 | 10 | 43,4 | 3722,0 |
| | San Miguel | 20602 | 12 | 85,1 | 4126,0 |
| | San José | 20603 | 40 | 37,4 | 1211,0 |
| | Cirrí Sur | 20604 | 9 | 5,8 | 262,0 |
| | San Jerónimo | 20605 | 19 | 8,8 | 282,0 |
| | San Juan | 20606 | 9 | 5,8 | 278,0 |
| | Rosario | 20607 | 23 | 186,1 | 7986,0 |
| Total | | | 122 | 372,4 | 17867,0 |
| Palmares | Zaragoza | 20702 | 1 | 0,7 | 90,0 |
| | Buenos Aires | 20703 | 1 | 0,7 | 36,0 |
| Total | | | 2 | 1,4 | 126,0 |
| Valverde Vega | Sarchí Norte | 21201 | 25 | 311,2 | 28040,0 |
| | Sarchí Sur | 21202 | 27 | 22,7 | 1425,0 |
| | Toro Amarillo | 21203 | 7 | 11,5 | 248,0 |
| | San Pedro | 21204 | 44 | 78,3 | 4043,0 |
| | Rodríguez | 21205 | 15 | 17,2 | 803,0 |
| Total | | | 118 | 440,9 | 34559,0 |

Fuente: Censo Agropecuario de 1973.

Producción (en Ton.) de Caña de Azúcar en la Región del Valle Central Occidental

| Categoría 1 | Categoría 2 | Categoría 3 | Categoría 4 | Categoría 5 | Categoría 6 | Categoría 7 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 151650,0 | 69039,0 | 34829,0 | 9996,0 | 5900,0 | 1711,0 | 803,0 |
| | 48076,0 | 32548,0 | 7986,0 | 5883,0 | 1425,0 | 698,0 |
| | | 29166,0 | | 5783,0 | 1408,0 | 500,0 |
| | | 28040,0 | | 5322,0 | 1211,0 | 379,0 |
| | | 28028,0 | | 5044,0 | 1193,0 | 282,0 |
| | | 25025,0 | | 4655,0 | | 278,0 |
| | | | | 4484,0 | | 265,0 |
| | | | | 4126,0 | | 262,0 |
| | | | | 4043,0 | | 248,0 |
| | | | | 3722,0 | | 215,0 |
| | | | | 3520,0 | | 95,0 |
| | | | | 2990,0 | | 90,0 |
| | | | | 2722,0 | | 36,0 |

Fuente: Censo Agropecuario de 1973.

Anova: Single Factor

SUMMARY

| Groups | Count | Sum | Average | Variance |
|----------|-------|--------|------------|------------|
| Column 1 | 1 | 151650 | 151650 | #DIV/0! |
| Column 2 | 2 | 117115 | 58557,5 | 219723685 |
| Column 3 | 6 | 177636 | 29606 | 12411338,8 |
| Column 4 | 2 | 17982 | 8991 | 2020050 |
| Column 5 | 13 | 58194 | 4476,46154 | 1155272,44 |
| Column 6 | 5 | 6948 | 1389,6 | 43859,8 |
| Column 7 | 13 | 4151 | 319,307692 | 51836,2308 |

ANOVA

| Source of Variation | SS | df | MS | F | P-value | F crit |
|---------------------|------------|----|------------|------------|------------|------------|
| Between Groups | 2,8767E+10 | 6 | 4794457178 | 562,237293 | 2,8132E-33 | 2,37178455 |
| Within Groups | 298461172 | 35 | 8527462,05 | | | |
| Total | 2,9065E+10 | 41 | | | | |

**VARIANCE ANALYSIS FOR THE MAP:
"AVERAGE DAILY TRAFFIC, 1993"**

| CLASS 1 | CLASS 2 | CLASS 3 | CLASS 4 | CLASS 5 | CLASS 6 |
|---------|---------|---------|---------|---------|---------|
| 460 | 1355 | 2495 | 4845 | 7185 | 10457 |
| 460 | 1355 | 2965 | 4845 | 7185 | 10457 |
| 460 | 1355 | 3040 | 5053 | 7185 | 10457 |
| 460 | 1355 | 3040 | 5330 | 9635 | 12020 |
| 625 | 1885 | 3120 | 5460 | 9635 | 12020 |
| | 1885 | 3120 | 5460 | 9890 | 12020 |
| | 1885 | 3120 | 5550 | 9890 | 12020 |
| | 1885 | 3200 | 5700 | 9890 | 13340 |
| | 2450 | 3460 | 5700 | | 13340 |
| | 2450 | 4450 | 5700 | | |
| | 2450 | 4450 | 5815 | | |
| | | 4450 | | | |
| | | 4450 | | | |

Anova: Single Factor

SUMMARY

| Groups | Count | Sum | Average | Variance |
|----------|-------|--------|---------|----------|
| Column 1 | 5 | 2465 | 493 | 5445 |
| Column 2 | 11 | 20310 | 1846,36 | 206485 |
| Column 3 | 13 | 45360 | 3489,23 | 487729 |
| Column 4 | 11 | 59458 | 5405,27 | 121298 |
| Column 5 | 8 | 70495 | 8811,88 | 1826042 |
| Column 6 | 9 | 106131 | 11792,3 | 1293402 |

ANOVA

| Source of Vari. | SS | df | MS | F | P-value | F crit |
|-----------------|---------|----|---------|---------|---------|--------|
| Between Groups | 7,7E+08 | 5 | 1,5E+08 | 242,482 | 3E-34 | 2,3966 |
| Within Groups | 3,2E+07 | 51 | 632978 | | | |
| Total | 8E+08 | 56 | | | | |

**VARIANCE ANALYSIS FOR THE MAP:
PORCENTAJE OF ECONOMIC ACTIVE POPULATION IN 1984**

| CLASS 1 | CLASS 2 | CLASS 3 | CLASS 4 |
|----------|----------|----------|----------|
| 0,406593 | 0,379352 | 0,359627 | 0,333845 |
| | 0,369554 | 0,356912 | 0,331894 |
| | 0,360349 | 0,35545 | 0,331858 |
| | | 0,354219 | 0,330727 |
| | | 0,353853 | 0,330612 |
| | | 0,352423 | 0,327684 |
| | | 0,351432 | 0,327427 |
| | | 0,35077 | 0,327153 |
| | | 0,349347 | 0,325946 |
| | | 0,348619 | 0,325259 |
| | | 0,346798 | 0,324847 |
| | | 0,346312 | 0,322417 |
| | | 0,345526 | 0,320506 |
| | | 0,345384 | 0,319408 |
| | | 0,345145 | 0,318464 |
| | | 0,34359 | 0,316947 |
| | | 0,343423 | 0,316154 |
| | | 0,342222 | 0,306601 |
| | | 0,341805 | |
| | | 0,337348 | |
| | | 0,337237 | |
| | | 0,335828 | |
| | | 0,335678 | |
| | | 0,334973 | |
| | | 0,333997 | |

Anova: Single Factor

SUMMARY

| <i>Groups</i> | <i>Count</i> | <i>Sum</i> | <i>Average</i> | <i>Variance</i> |
|---------------|--------------|------------|----------------|-----------------|
| Column 1 | 1 | 0,406593 | 0,406593 | 0 |
| Column 2 | 3 | 1,109255 | 0,369752 | 9,03E-05 |
| Column 3 | 25 | 8,647917 | 0,345917 | 5,45E-05 |
| Column 4 | 18 | 5,83775 | 0,324319 | 4,88E-05 |

ANOVA

| <i>Source of Variation</i> | <i>SS</i> | <i>df</i> | <i>MS</i> | <i>F</i> | <i>P-value</i> | <i>F crit</i> |
|----------------------------|-----------|-----------|-----------|----------|----------------|---------------|
| Between Groups | 0,012381 | 3 | 0,004127 | 76,52651 | 2,79974E-17 | 2,821629 |
| Within Groups | 0,002319 | 43 | 5,39E-05 | | | |
| Total | 0,0147 | 46 | | | | |

VARIANCE ANALYSIS FOR THE MAP:
"COMMERCIAL ELECTRICITY CONSUMPTION (DECEMBER, 1994)

| Class 1 | Class 2 | Class 3 | Class 4 | | | |
|---------|---------|---------|---------|-------|------|------|
| 331081 | 118006 | 61106 | 26886 | 12376 | 8290 | 4061 |
| 288532 | 113750 | 53133 | 25183 | 12192 | 6130 | 3792 |
| 243241 | 98097 | 48194 | 18921 | 11232 | 6122 | 3693 |
| 198462 | | 46330 | 18252 | 10825 | 5207 | 1928 |
| | | 44997 | 16632 | 10423 | 5011 | 1278 |
| | | 40176 | 14065 | 9234 | 4473 | |
| | | 39914 | 13638 | 8947 | 4427 | |
| | | 33771 | 13310 | 8590 | 4108 | |

Anova: Single Factor

SUMMARY

| Groups | Count | Sum | Average | Variance |
|----------|-------|---------|----------|----------|
| Column 1 | 4 | 1061316 | 265329 | 3,27E+09 |
| Column 2 | 3 | 329853 | 109951 | 1,1E+08 |
| Column 3 | 8 | 367621 | 45952,63 | 72212618 |
| Column 4 | 29 | 289226 | 9973,31 | 42731212 |

ANOVA

| Source of Variation | SS | df | MS | F | P-value | F crit |
|---------------------|-------------|----|----------|----------|----------|----------|
| Between Groups | 2,42317E+11 | 3 | 8,08E+10 | 275,1432 | 9,95E-27 | 2,838746 |
| Within Groups | 11742575142 | 40 | 2,94E+08 | | | |
| Total | 2,541E+11 | 43 | | | | |

VARIANCE ANALYSIS FOR THE MAP:
 "INDUSTRIAL ELECTRICITY CONSUMPTION (DECEMBER, 1994) "

| Class 1 | Class 2 | Class 3 | Class 4 | Class 5 | | |
|---------|---------|---------|---------|---------|------|------|
| 518538 | 293805 | 156286 | 95018 | 35739 | 8846 | 3188 |
| 507564 | 266079 | 148458 | 84421 | 29041 | 7722 | 2734 |
| 401463 | 210443 | 137650 | 79089 | 23204 | 7440 | 1857 |
| | 185305 | 115203 | 72598 | 22246 | 7206 | 1088 |
| | | | 61872 | 20244 | 6809 | 634 |
| | | | 56667 | 15619 | 3738 | 312 |
| | | | 54076 | 15399 | 3497 | 164 |
| | | | 49093 | 9526 | 3377 | |
| | | | 45654 | | | |

Anova: Single Factor

SUMMARY

| Groups | Count | Sum | Average | Variance |
|----------|-------|---------|----------|----------|
| Column 1 | 3 | 1427565 | 475855 | 4,18E+09 |
| Column 2 | 4 | 955632 | 238908 | 2,48E+09 |
| Column 3 | 4 | 557597 | 139399,3 | 3,19E+08 |
| Column 4 | 9 | 598488 | 66498,67 | 2,93E+08 |
| Column 5 | 23 | 229630 | 9983,913 | 99769652 |

ANOVA

| Source of Variation | SS | df | MS | F | P-value | F crit |
|---------------------|----------|----|----------|----------|----------|---------|
| Between Groups | 6,97E+11 | 4 | 1,74E+11 | 311,0921 | 1,79E-28 | 2,61899 |
| Within Groups | 2,13E+10 | 38 | 5,6E+08 | | | |
| Total | 7,18E+11 | 42 | | | | |

VARIANCE ANALYSIS FOR THE MAP:
 RESIDENTIAL ELECTRICITY CONSUMPTION PER UNIT (DECEMBER, 1994)

| class 1 | class 2 | Class 3 | Class 4 | Class 5 | Class 6 | Class 7 | Class 8 | Class 9 | Class 10 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| 243,14 | 207,20 | 198,02 | 184,07 | 175,35 | 169,07 | 155,99 | 143,70 | 133,88 | 122,05 |
| 219,65 | 204,13 | 195,62 | 180,99 | 172,23 | 167,09 | 155,68 | 141,26 | 132,83 | 120,24 |
| 216,63 | 201,82 | 187,36 | 177,39 | 172,22 | 161,35 | 154,83 | 140,26 | 131,29 | 104,91 |
| | | 186,71 | 176,22 | 172,06 | 158,85 | 151,54 | 139,07 | 125,79 | |
| | | 186,28 | 175,72 | 171,32 | 156,67 | 146,31 | 135,58 | 122,47 | |

Anova: Single Factor

SUMMARY

| Groups | Count | Sum | Average | Variance |
|-----------|-------|----------|----------|----------|
| Column 1 | 3 | 679,4257 | 226,4752 | 210,5567 |
| Column 2 | 3 | 613,1571 | 204,3857 | 7,280114 |
| Column 3 | 5 | 953,9832 | 190,7966 | 31,07438 |
| Column 4 | 5 | 894,3785 | 178,8757 | 12,67163 |
| Column 5 | 5 | 863,1786 | 172,6357 | 2,44457 |
| Column 6 | 5 | 813,0252 | 162,605 | 28,21649 |
| Column 7 | 5 | 764,3512 | 152,8702 | 16,58206 |
| Column 8 | 5 | 699,8706 | 139,9741 | 8,92117 |
| Column 9 | 5 | 646,2531 | 129,2506 | 24,10761 |
| Column 10 | 3 | 347,1951 | 115,7317 | 88,60554 |

ANOVA

| Source of Variation | SS | df | MS | F | P-value | F crit |
|---------------------|----------|----|----------|----------|----------|----------|
| Between Groups | 38135,85 | 9 | 4237,317 | 129,9138 | 1,14E-23 | 2,169564 |
| Within Groups | 1108,956 | 34 | 32,61636 | | | |
| Total | 39244,81 | 43 | | | | |

**Produccion de productos agricolas procedentes del canton de Atenas
llevados a CENADA, durante 1994.**

| PRODUCTO | Atenas | Jesus | Concepcion | San Jose | Santa Eulalia | San Isidro | Mercedes | TOTAL |
|-----------------|----------|---------|------------|----------|---------------|------------|----------|-----------|
| Aguacate | 1521 | | | | | | 540 | 17361 |
| Ayote Sazon | 1500 | | | | | | | 1500 |
| Berenjena | 605 | | | | | | | 605 |
| Camote | 13900 | 2100 | | | | 4000 | | 20000 |
| Carambola | 1150 | | | | | | | 1150 |
| Cas | 175 | | | | | | | 175 |
| Culantro | 1350 | | | | | | 240 | 1590 |
| Chile Dulce | 101355 | 3789 | | 2515,5 | 16883,55 | 6007,5 | 2542 | 133092,55 |
| Grape Fruit | 1494,4 | | | | | | | 1494,4 |
| Jenjibre | 1000 | | | | 192 | | | 1192 |
| Limon Acido | 34580,2 | 2282 | | 330 | | 1813 | 1512 | 40517,2 |
| Limon Dulce | 11692,8 | 384 | | | | 768 | 3072 | 15916,8 |
| Mamon Criollo | 38454 | 1054 | | | | | 340 | 39848 |
| Mandarina | 13942,5 | 1859 | | | | 1436,5 | 507 | 17745 |
| Manga | 599605 | 8395 | 5091 | 26120 | 12650 | 32090 | 17330 | 701281 |
| Mango | 35784,8 | | | 2492 | | 21894,3 | 5285,7 | 65456,8 |
| Manzana de Agua | 52 | | | | | 169 | | 221 |
| Maranon | 267,75 | | | | | | 267 | 534,75 |
| Melon | 16500 | | | | | | | 16500 |
| Naranja Dulce | 274833 | 13456 | | 7395 | 4350 | 40716 | 16820 | 357570 |
| Nance | 1775 | | | | | | 16190 | 17965 |
| Nanpi | 2660 | | | | | | | 2660 |
| Papaya | 4000 | | | | | 3000 | | 7000 |
| Pepino | 45470 | 800 | 2600 | 400 | 1700 | 800 | | 51770 |
| Sandia | 87100 | | | | | | 500 | 87600 |
| Tiquisque | 3110 | | | | | | | 3110 |
| Tomate | 430132,8 | 13450,6 | 6784 | 21594,5 | 58886 | 75419,7 | 55089 | 661356,6 |
| Vainica | 11650 | | 300 | | 1150 | 1200 | 300 | 14600 |

Unidades: toneladas

Fuente: Direccion General de Mercadeo Agropecuario. Consejo Nacional de la Produccion. 1995

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LAICA. "Encuesta realizada a productores de caña de azúcar de la región del Valle Central Occidental"

