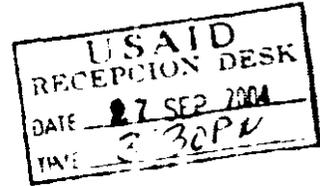
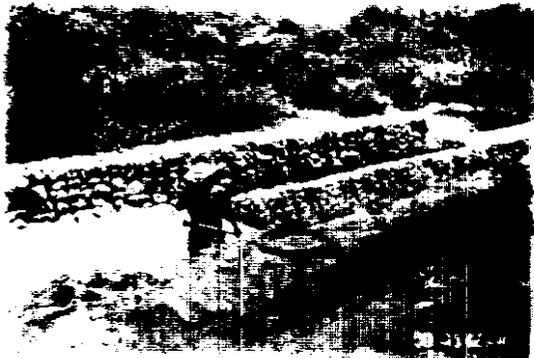


PD-HCA-938



**PROJECT CLOSE-OUT REPORT  
AMERICAN RED CROSS  
MUNICIPAL DISASTER MITIGATION ACTIVITIES  
EL SALVADOR**

**ACTIVITY No. AND TITLE: 519-0458 Earthquake Recovery Program**



**AWARD NUMBER:** 519-A-00-02-00126-00  
**APPROVAL DATE:** September 9, 2002  
**COMPLETION DATE:** September 30, 2004  
**CONTACT:** Michael W. Curry, Chief of Party



## **I. PURPOSE AND BACKGROUND OF PROJECT:**

### **Purpose:**

The purpose of this activity was to assist El Salvador to enhance emergency management and disaster mitigation capabilities at the national, municipal, and community level.

### **Background:**

Earthquakes measuring 7.6 and 6.6 on the Richter Scale devastated El Salvador on January 13, 2001 and February 13, 2001 respectively causing 1,159 deaths and injuries to another 8,122 individuals. Landslides contributed greatly to the death toll, including more than 500 deaths from one landslide in Santa Tecla alone. In all, more than 1.5 million people nationwide or more than a quarter of the country's populace was affected. Damage estimates were in excess of \$2 billion. The Departments of Ahuachapan, La Libertad, La Paz, San Vicente, Sonsonate, and Usulután, as well as the city of Santa Tecla in the Department of La Libertad, received the brunt of the damage from the first earthquake. The second earthquake, centered some 20 miles east of San Salvador, severely affected the Departments of Cuscatlán, La Paz, and San Vicente. The total number of houses affected were 276,594 units, including 166,529 units destroyed and 110,065 units damaged.

USAID/EL Salvador responded to the earthquake by designing a reconstructive program through the Special Objective 'Lives of Targeted Earthquake Victims Improved'. One of the four Intermediate Results for this objective was 'Adverse Effects of Future Natural Disasters Mitigated', aimed at strengthening the COEN (Comite de Emergencia Nacional) and municipal level disaster mitigation capabilities.

COEN is the agency that coordinates emergency response activities for El Salvador. The COEN is responsible for conducting damage and needs assessments, compiling assessment information, and setting relief priorities. COEN is composed of representatives from the Ministries of National Defense, the Governance, Public Works, Agriculture and Livestock, Foreign Affairs, Education and Health, as well as relief, scientific, and autonomous agencies.

COEN works at the national level to coordinate all emergency actions related to disasters. A national emergency management system works to protect lives and prevent the loss of property by implementing pre-warning systems, evacuation plans, building codes, and land-use policies that can be used to reduce the losses of life and as a consequence of disasters.

These actions should be vertically integrated throughout the country. COEN's link at the departmental level is COED (Comite de Emergencia Departamental), responsible for communication/coordination between COEN and the municipalities. At the next level is COEM (Comite de Emergencia Municipal), that is responsible for developing a municipal emergency plan and activating the plan in case of an emergency. At the community level is the COEL (Comite de Emergencia Local), which is responsible for the preparation of the local emergency plan and coordinating the implementation of this local plans with COEM.

Lessons learned from the past two earthquakes indicate that COEN and the local institutions need to be strengthened in the area of mitigation and land use planning at the national and municipal level.

Experience has shown that local level disaster mitigation plans can be effective. After the Hurricane Mitch disaster in 1998 some communities received assistance to develop community disaster mitigation plans. When the earthquakes occurred less than two years later, it was clear that those communities that had disaster mitigation plans in place were able to respond in a faster, more efficient manner than those communities without these plans. The present activity would build on the successful experiences after Hurricane Mitch. These activities will be coordinated with the COEN and will focus on aiding municipalities to identify and prioritize municipal level hazards, especially those that affect vulnerable groups such as the elderly and children. Attention should also be given to the organization of gender-integrated municipal preparedness committees. Women will be targeted to participate in training offered to community leaders, and will have a role in increasing the level of community awareness of potential disaster hazards and risk reduction practices.

## **II. SUMMARY OR DESCRIPTION OF PROJECT:**

Disaster mitigation is defined as any sustained action that reduces or eliminates risk to people, livelihoods, and property from natural disasters. Disaster mitigation is accomplished by reducing vulnerability, increasing the capacity of risk management systems, or by modifying, where possible, the hazard.

The MDMA activities program focused on building a capacity within vulnerable municipalities to identify and prioritize municipal-level disaster risks, and participate in developing appropriate vulnerability reduction solutions for the municipalities.

Emphasis was placed on the organization of 30 municipal emergency preparedness committees, COEMs, tasked with the implementation of sustainable systems to prepare, implement and test response and preparedness plans. Other actions included training of municipal leaders, and increasing awareness levels in the larger community to natural disaster hazards and acceptable and appropriate risk reduction practices.

Finally, these activities required participation with, and support by, local and national government entities in identified cities, municipalities, and communities throughout the program cycle.

Please note that at the first technical advisory committee meeting it was agreed that the MDMA activities projects would focus on only 4 of the original 7 departments stated above or in San Vicente, Cuscatlan, La Paz and La Libertad. The TAC then agreed on the 30 most vulnerable municipalities in these four departments prior to forming their respective COEMs and beginning workshops, trainings, and assisting in the development of their municipal emergency plans, their mitigation and land use plans with corresponding risk maps, the identification of mitigations projects that resulted from the mitigation and land use plans, and the development of each municipalities school security plans. On average 3 school security plans per municipality were developed.

Please see Annex 3 for a listing of all the municipalities where the project was implemented.

At the end of the MDMA activities project the expected results were as follows:

- 30 municipalities with disaster mitigation plans and associated training.
- 30 municipalities with land use plans.
- COEN national office better able to respond to natural disasters.
- Municipal Emergency Operation Committees better able to respond to disaster.
- Improved coordination between COEN, the 4 COEDs, and the 30 COEMs.
- Local awareness of disaster response activities increased in target areas.

All of these results have been accomplished with the COEN taking ownership of the project and wishing to continue similar activities in other municipalities. In fact, the COEN through the 4 COEDs inaugurated the 30 COEMs during the last week of the project.

Below all the deliverables are summarized by objective.

**Objective # 1:** To improve the disaster response capacity of national, departmental and municipal emergency operations committees through the incorporation of communication and command protocols and the strengthening of early warning systems.

- 30 COEMs formed and trained in disaster mitigation, preparedness and planning.
- 30 Municipal Emergency plans prepared and presented by these same COEMs.
- 30 Emergency Operation Centers, EOCs, equipped and inaugurated.
- 1 National EOC equipped and inaugurated by the COEM.
- Radio equipment installed at the national, departmental, and municipal level where the project was implemented.
- DPP promotional material developed and disseminated both via Radio and Print.
- Web Site developed to promote MDMA projects and other SRC activities

**Objective # 2:** To strengthen the capacity of municipal actors to prepare for and mitigate the impact of natural disasters through participatory planning in 30 municipalities.

- 30 Mitigation and Land use plans with their respective risk maps prepared and presented in 30 municipalities by their COEMs.

**Objective # 3:** To strengthen the capacity of 90 high risk schools in target municipalities to prepare for and mitigate the impact of natural disasters through teacher training and the incorporation of a disaster curriculum focusing on risk management and reduction.

- 90 School Security Plans prepared and presented in 30 municipalities by their respective school security committees which also form part of the municipal COEM.

**Objective # 4:** To create safer municipalities by designing and implementing small scale, non-structural mitigation projects addressing critical needs in high risk areas.

- 74 mitigation and land use projects identified and developed in 30 municipalities.
  - 40 where small infrastructure projects
  - 28 where larger project proposals to be financed at a future date
  - 3 where land ordinances
  - 3 were mitigation and DPP trainings

Please see Annex 2 for a listing of the projects per municipality.

### **III. TOTAL COSE OF THE PROJECT:**

#### **USAID Contribution:**

Personnel	\$ 167,531.00
Fringe Benefits and Allowances	\$ 127,202.00
Travel and Transportation	\$ 120,015.00
Equipment and Supplies	\$ 491,400.00
Sub-recipients	\$1,505,302.00
Other Direct Costs	\$ 260,758.00
Indirect Costs	\$ 124,820.00
<b>Total</b>	<b>\$2,797,028.00</b>

#### **Cost Share:**

Personnel	\$ 189,715.00
Fringe Benefits and Allowances	\$ 9,084.00
Other Direct Costs	\$ 311,800.00
Indirect Costs	\$ 18,078.00
<b>Total</b>	<b>\$ 528,677.00</b>

#### **IV. SUMMARY OF KEY LESSONS LEARNED:**

Establishing a methodology used to create the 30 COEMs was eventually defined and used in the development of the workshops and trainings. Technical writers were hired in each area to process the information coming from these workshops and trainings which lead to the development of all the plans. This helped keep the plans uniform and professional in presentation. Having taken the time initially to train the SRC staff in all the program areas turning them into trainer of trainers was key to the success of the project. The technical SRC staff are now affective and efficient in all the program areas and have assisted in all the activities that has lead to the preparation and development of the COEMs and the respective plans. This is also true in the area of school security.

Please see Annex 4 for a summary of processes developed used in the creation of the COEMs and the School Security Committees and in the development of their respective plans and projects.

#### **V. ANNEXES:**

1. Quarterly Report from July 1, 2004 to September 30, 2004.
2. Projects supported by the project per municipality.
3. Power Point Presentation of Project at final TAC meeting.
4. Booklet on MDMA processes and Promotional Material Developed.

# ANNEX 1

**QUARTERLY REPORT  
AMERICAN RED CROSS  
MUNICIPAL DISASTER MITIGATION ACTIVITIES  
EL SALVADOR**

**ACTIVITY No. AND TITLE: 519-0458 Earthquake Recovery Program**



**AWARD NUMBER:** 519-A-00-02-00126-00  
**PERIOD OF REPORT:** July 1, 2004 to September 30, 2004  
**CONTACT:** Michael W. Curry, Chief of Party



**Introduction:**

This is the final quarter of FY 04 with activities finishing in all areas. The project end date is September 30, 2004. A close-out report summarizing all project activities has been prepared and presented to the consortium members and USAID. This information was shared at a final technical advisory committee meeting TAC which included the consortium, USAID, OFDA, SNET, COEN, and MOE.

**Early Warning:**

The final 3 of 30 municipal emergency plans were prepared and presented in 3 municipalities. This was in coordination with the opening of their respective emergency operation centers EOCs which also brings the total EOCs opened to 30.

The national EOC was opened by the COEN the last week of July prior to the national holiday the first week of August. The national EOC was operational during the holiday ready to respond to any disasters that may have taken place. A national drill was also run which activated the national EOC, the 4 departmental EOCs and the 30 EOCs in the municipalities where the project has been implemented. This drill will be used for the final evaluation of the project and compared to that information gathered for the data base.

Radio equipment was installed at the national, departmental and municipal level. The COEM, the 4 COEDs and the 30 COEMs all received base stations and hand held radios and training.

The SRC Web site was under construction and was functioning late September. The site will not only contain information regarding this project but all projects being implemented by the SRC. DPP information will be disseminated at this site.

DPP promotional material was produced and distributed along with radio broadcasts regarding the same. A booklet outlining the processes used to form the COEMs and the School Security Committee and their plans was prepared and shared at the national, departmental and municipal level and with the TAC.

Drills have been on-going in the 30 municipalities.

**Technical:**

The final 2 of 30 mitigation and land use plans and their corresponding risk maps were prepared and presented in 2 municipalities by their respective COEMs.

**School Security:**

The final 6 of 90 school security plans were prepared and presented by their respective school security committees. Drills were then being run in the 90 schools.

## **Mitigation Projects:**

A total of 74 projects have been implemented in the 30 municipalities. They types of projects have been: 40 small infrastructure project, 3land ordinances, 28 larger proposals, and 3 trainings.

## **Actions/Progress this Period:**

### **I. Accomplishments by Objectives:**

**Objective # 1:** To improve the disaster response capacity of national, departmental and municipal emergency operations committees through the incorporation of communication and command protocols and the strengthening of early warning systems.

- 3 municipal emergency plans prepared and presented in 3 municipalities.
- 3 EOCs opened in 3 municipalities.
- 1 national EOC opened at the COEM.
- DPP promotional material prepared and disseminated in 30 municipalities.
- DPP radio promotional campaign began and ran for 4 weeks.
- Radio equipment set up at the national EOC, the 4 departmental EOCs and the 30 municipal EOCs.
- Drills run at the national, departmental and municipal level.
- All 30 COEMs formally inaugurated by the COEN at each of their respective COEDs.
- Booklet on project processes prepared and presented at all levels.

**Objective # 2:** To strengthen the capacity of municipal actors to prepare for and mitigate the impact of natural disasters through participatory planning in 30 municipalities.

- 2 mitigation and land use plans and their corresponding risk maps prepared and presented in 2 municipalities.

**Objective # 3:** To strengthen the capacity of 90 high risk schools in target municipalities to prepare for and mitigate the impact of natural disasters through teacher training and the incorporation of a disaster curriculum focusing on risk management and reduction.

- 6 school security plans prepared and presented.

**Objective # 4:** To create safer municipalities by designing and implementing small scale, non-structural mitigation projects addressing critical needs in high risk areas.

- 11 projects finished to bring the total to 74 projects in 30 municipalities.

**II. Critical Issues/Challenges:**

There were no critical issues or challenges during this reporting period.

**III. Plans by Objective for Next Quarter:**

There will be no next quarter so therefore no plans are presented.

**Summary:**

As this was the final quarter of the project all project activities ceased and project close-out began. It is felt that all project activities as stated in the FY 03 and FY 04 work plans have been met and that the disaster response capacity at the national, departmental and municipal level where the project has been implemented have been greatly improved and that effective communication and command protocols have been put in place and that the early warning systems have been strengthened.

In the 30 municipalities the 30 COEMs created are better prepared for and have mitigated what impact a natural disaster would have should in occur in their municipalities.

We thank all the members of the TAC, the COEDs and COEMs for having contributed to the success of this important project.

# ANNEX 2

# **PROYECTO DE MITIGACION MUNICIPAL PARA DESASTRES -EL SALVADOR-**

## **RESUMEN DE OBRAS DE MITIGACION (componente No 4)**

**74 -PROYECTOS FINALIZADOS**

**DE LOS CUALES:**

**40- OBRAS FÍSICAS**

**31- ESTUDIOS TÉCNICOS (INCLUYE 3 ORDENANZAS MUNICIPALES)**

**3- CAPACITACIONES EN GESTION DE RIESGO**

**POR DEPARTAMENTO:**

**LA LIBERTAD: 18 PROYECTOS**

**SAN VICENTE: 18 PROYECTOS**

**LA PAZ: 17 PROYECTOS**

**CUSCATLAN: 21 PROYECTOS**

PROYECTO DE MITIGACION MUNICIPAL PARA DESASTRES- EL SALVADOR-  
CUADRO POR TIPO DE PROYECTOS

DEPARTAMENTO	MUNICIPIO	OBRAS FISICAS	ESTUDIOS TECNICOS	CAPACITACIONES	TOTAL
LA LIBERTAD	TALNIQUE	2	1	0	3
	COMASAGUA	0	0	1	1
	TEPECOYO	2	0	0	2
	JAYAQUE	1	2	0	3
	SANTA TECLA	0	0	1	1
	TEOTEPEQUE	1	3	0	4
	COLON	1	1	0	2
	CHILTIUPAN	2	0	0	2
SUB. TOTAL		9	7	2	18
SAN VICENTE	SAN LORENZO	3	0	0	3
	GUADALUPE	3	0	0	3
	VERAPAZ	1	1	0	2
	SAN VICENTE	1	1	0	2
	SAN SEBASTIAN	0	1	1	2
	TECOLUCA	1	2	0	3
	SAN CAYETANO	1	1	0	2
	TEPETITAN	1	0	0	1
SUB. TOTAL		11	6	1	18
LA PAZ	SAN PEDRO NONUALCO	3	0	0	3
	PARAISO OSORIO	1	1	0	2
	SAN LUIS HERRADURA	3	0	0	3
	SAN PEDRO MASAHUAT	1	0	0	1
	ZACATECOLUCA	0	2	0	2
	SAN LUIS TALPA	0	4	0	4
	SANTA MARIA OSTUMA	1	1	0	2
SUB. TOTAL		9	8	0	17
CUSCATLAN	SAN RAMON	2	2	0	4
	SANTA CRUZ ANALQUITO	3	1	0	4
	EL CARMEN	2	0	0	2
	SAN CRISTOBAL	1	2	0	3
	CANDELARIA	1	1	0	2
	SANTA CRUZ MICHAPA	0	4	0	4
	COJUTEPEQUE	2	0	0	2
SUB. TOTAL		11	10	0	21
<b>TOTAL</b>		<b>40</b>	<b>31</b>	<b>3</b>	<b>74</b>

\* CUENTAN CON UNA ORDENANZA MUNICIPAL

**PROYECTO DE MITIGACION MUNICIPAL PARA DESASTRES- EL SALVADOR-  
CUADRO DE INVERSION**

DEPARTAMENTO	MUNICIPIO	PROYECTOS FINALIZADOS	CRUZ ROJA AMERICANA	CONTRAPARTE MUNICIPAL
LA LIBERTAD	TALNIQUE	3	\$10,000.00	\$92,176.23
	COMASAGUA	1	\$6,350.00	
	TEPECOYO	2	\$9,999.66	
	JAYAQUE	3	\$8,445.72	
	SANTA TECLA	1	\$4,834.88	
	TEOTEPEQUE	4	\$9,576.91	
	COLON	2	\$4,494.70	
	CHILTUPAN	2	\$10,384.91	\$5,451.38
<b>SUB. TOTAL</b>		<b>18</b>	<b>\$64,086.78</b>	<b>\$97,627.61</b>
SAN VICENTE	SAN LORENZO	3	\$9,996.43	
	GUADALUPE	3	\$8,207.44	\$1,364.00
	VERAPAZ	2	\$9,998.75	\$2,437.86
	SAN VICENTE	2	\$8,015.00	
	SAN SEBASTIAN	2	\$8,200.00	
	TECOLUCA	3	\$9,996.34	
	SAN CAYETANO	2	\$8,794.95	
	TEPETITAN	1	\$11,909.14	
<b>SUB. TOTAL</b>		<b>18</b>	<b>\$75,118.05</b>	<b>\$3,801.86</b>
LA PAZ	SAN PEDRO NONUALCO	3	\$10,000.00	\$975.61
	PARAISO OSORIO	2	\$9,625.96	\$300.00
	SAN LUIS HERRADURA	3	\$8,984.50	\$3,426.09
	SAN PEDRO MASAHUAT	1	\$6,489.03	
	ZACATECOLUCA	2	\$5,500.00	
	SAN LUIS TALPA	4	\$7,471.27	
	SANTA MARIA OSTUMA	2	\$6,466.63	
<b>SUB. TOTAL</b>		<b>17</b>	<b>\$54,537.39</b>	<b>\$4,701.70</b>
CUSCATLAN	SAN RAMON	4	\$9,928.32	\$1,216.90
	SANTA CRUZ ANALQUITO	4	\$10,000.00	\$726.30
	EL CARMEN	2	\$9,363.54	\$200.00
	SAN CRISTOBAL	3	\$9,820.60	
	CANDELARIA	2	\$7,075.00	
	SANTA CRUZ MICHAPA	4	\$6,790.85	
	COJUTEPEQUE	2	\$7,492.49	
<b>SUB. TOTAL</b>		<b>21</b>	<b>\$60,470.80</b>	<b>\$2,143.20</b>
<b>TOTAL</b>	<b>30 municipios</b>	<b>74</b>	<b>\$254,213.02</b>	<b>\$106,274.37</b>







**PROYECTO DE MITIGACION MUNICIPAL PARA DESASTRES -EL SALVADOR-  
CUADRO FINAL DE PROYECTOS**

DEPARTAMENTO	MUNICIPIO	No	TIPO	PROYECTOS FINALIZADOS	Terminos Referencia	OFERTAS			ORDEN DE COMPRA			EJECUCION	
	SANTA CRUZ ANALQUITO	61	obra	Construcción de muro y drenaje para aguas lluvias en caserio Barrio Abajo y Rio El Manzano	X	X	X	X	X	X	X	X	2,348.50
	EL CARMEN	62	obra	Reforzamiento de tapial Centro Escolar Barraza Rodriguez zona urbana	X	X	X	X	X	X	X	X	1,630.09
	EL CARMEN	63	obra	Obra de paso en ruta de evacuación caserio Maria Mercedes	X	X	X	X	X	X	X	X	7,733.45
	SAN CRISTOBAL	64	estudio técnico	Estudio Técnico para construcción de vivienda en el municipio de San Cristobal	X	X	X	X	X	X	X	X	1,305.64
	SAN CRISTOBAL	65	estudio técnico	Carpeta técnica para el diseño de Puente Peatonal sobre Rio Jiboa cantón San Antonio	X	X	X	X	X	X	X	X	2,098.33
	SAN CRISTOBAL	66	obra	Construcción de muro de retención en ruta de evacuación, cantón Santa Cruz Abajo	X	X	X	X	X	X	X	X	6,416.63
	SANTA CRUZ MICHAPA	67	estudio técnico	Carpeta técnica para obras de reparación en Centro Escolar cantón Las Delicias	X	X	X	X	X	X	X	X	2,518.69
	SANTA CRUZ MICHAPA	68	estudio técnico	Construcción de muro en Centro Escolar cantón San Felipe Soto	X	X	X	X	X	X	X	X	1,400.07
	SANTA CRUZ MICHAPA	69	estudio técnico	Estudio técnico para mejorar calles de acceso al cantón Los Roseales	X	X	X	X	X	X	X	X	1,459.39
	SANTA CRUZ MICHAPA	70	estudio técnico	Carpeta técnica para construcción de paso vehicular caserio Quinta Espartan	X	X	X	X	X	X	X	X	1,412.50
	COJUTEPEQUE	71	obra	Reparación de tramo de calle que conduce a cantón La Palma y Cujuapa	X	X	X	X	X	X	X	X	3,787.50
	COJUTEPEQUE	72	obra	Construcción de Espigones en Rios El Amate y Shubumusco	X	X	X	X	X	X	X	X	3,704.99
	CANDELARIA	73	estudio técnico	Estudio técnico para construcción de vivienda en el municipio de Candelaria	X	X	X	X	X	X	X	X	2,200.00
	CANDELARIA	74	obra	Construcción de muro en via de acceso al Centro Escolar cantón San Antonio	X	X	X	X	X	X	X	X	4,675.00
<b>TOTAL</b>												<b>\$284,213.02</b>	

30 MUNICIPIOS

74 PROYECTOS FINALIZADOS  
40- OBRAS FISICAS  
31-ESTUDIOS TECNICOS  
3-CAPACITACIONES

# ANNEX 3

**PROYECTO DE MITIGACION  
MUNICIPAL PARA  
DESASTRES - EL SALVADOR**

# OBJETIVOS DEL PROYECTO

Fortalecer la capacidad de respuesta a desastres de los comités de coordinación de emergencia a nivel nacional, departamental y municipal, a través de la incorporación de protocolos de coordinación y mando y del fortalecimiento de los sistemas de alerta temprana.

Fortalecer la capacidad de los actores municipales para prepararse y mitigar el impacto de los desastres naturales a través de la planificación participativa en 30 municipalidades.

— **Incrementar la capacidad de 90 escuelas de alto riesgo dentro de las municipalidades clave para prepararse y mitigar el impacto de los desastres naturales a través de la capacitación de maestros y la incorporación de un plan de estudio de desastres enfocado al manejo y reducción de riesgos**

— **Crear municipalidades más seguras por medio del diseño e implementación de proyectos de mitigación no estructurales y de pequeña escala, que aborden las necesidades críticas en las áreas de alto riesgo.**

# PROYECTO DESARROLLADO EN:

- 4 DEPARTAMENTOS:

- Cuscatlán

- San Vicente

- La Libertad

- La Paz

- 30 MUNICIPIOS

- 90 ESCUELAS

# MUNICIPIOS SELECCIONADOS POR EL PROYECTO

DEPARTAMENTO	MUNICIPIO
CUSCATLAN	<ul style="list-style-type: none"><li>✓ Cojutepeque</li><li>✓ Santa Cruz Analquito</li><li>✓ San Ramón</li><li>✓ El Carmen</li><li>✓ Candelaria</li><li>✓ Santa Cruz Michapa</li><li>✓ San Cristóbal</li></ul>
LA PAZ	<ul style="list-style-type: none"><li>✓ San Luis La Herradura</li><li>✓ San Pedro Masahuat</li><li>✓ Paraíso de Osorio</li><li>✓ San Pedro Nonualco</li><li>✓ Zacatecoluca</li><li>✓ San Luis Talpa</li><li>✓ Santa Maria Ostuma</li></ul>

# CONTINUACION...

DEPARTAMENTO	MUNICIPIO
<b>SAN VICENTE</b>	✓ San Lorenzo ✓ Verapaz ✓ Guadalupe ✓ San Vicente ✓ Tecoluca ✓ San Sebastián ✓ San Cayetano Istepeque ✓ Tepetitan
<b>LA LIBERTAD</b>	✓ Nueva San Salvador ✓ Jayaque ✓ Comasagua ✓ Talnique ✓ Tepecoyo ✓ Colon ✓ Teotepeque ✓ Chiltiupán

# Áreas del Proyecto

❖ *Técnica*

❖ *Alerta Temprana*

❖ *Seguridad Escolar*

❖ *Proyectos de Mitigación*

# TECNICA

# TALLERES PARA LA ELABORACION DEL PLAN DE MITIGACION Y USO DE TIERRAS



# Mapa de Escala de Mercalli para Tecoluca y San Vicente



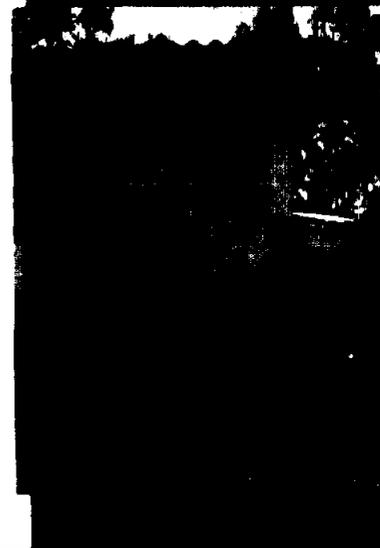
Tecoluca shp

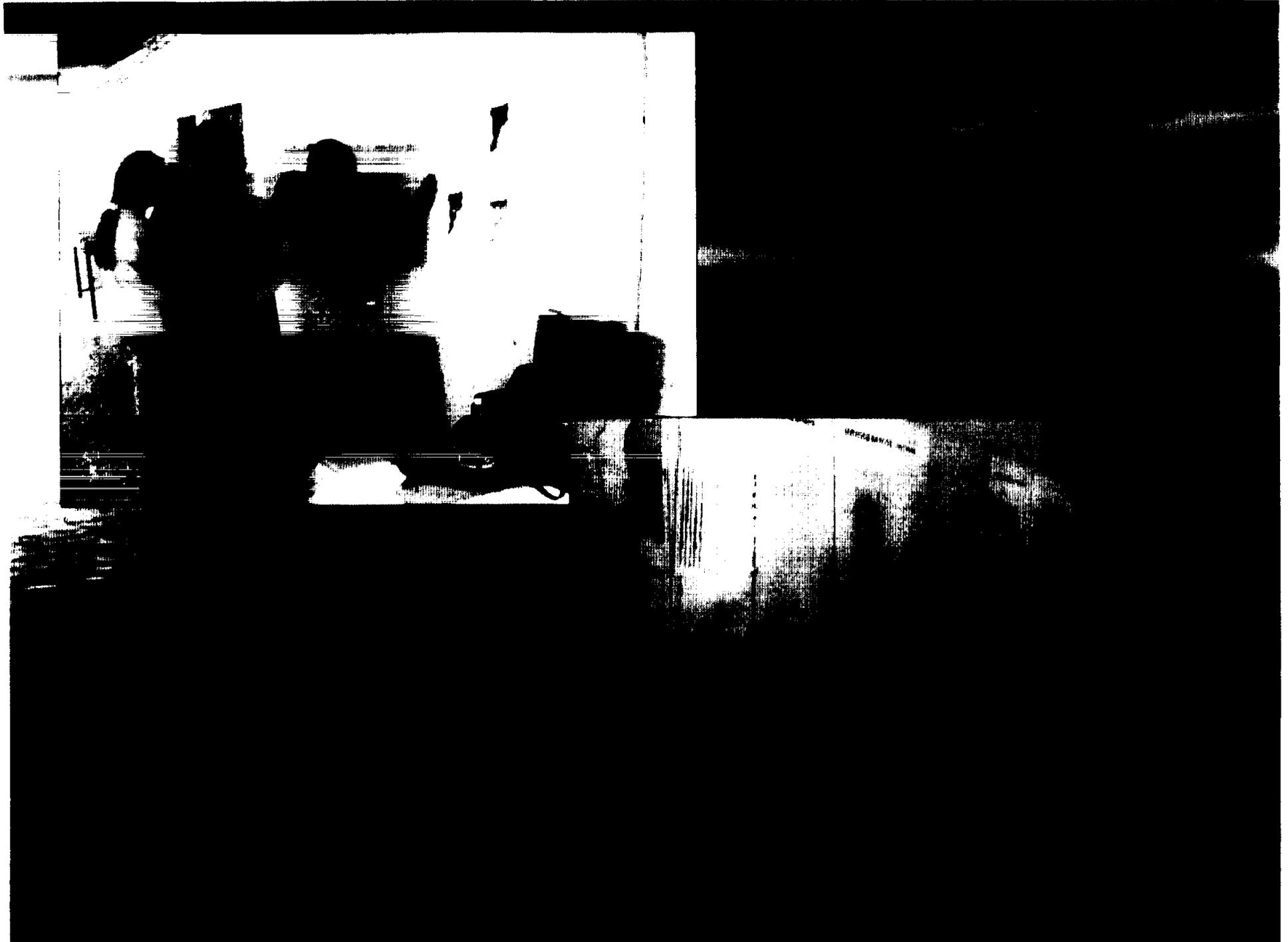
- IX
- X
- XI/2
- XI

Sanvicente shp

- IX
- X
- XI/2
- XI

0 10 20 30 40 50 Kilómetros

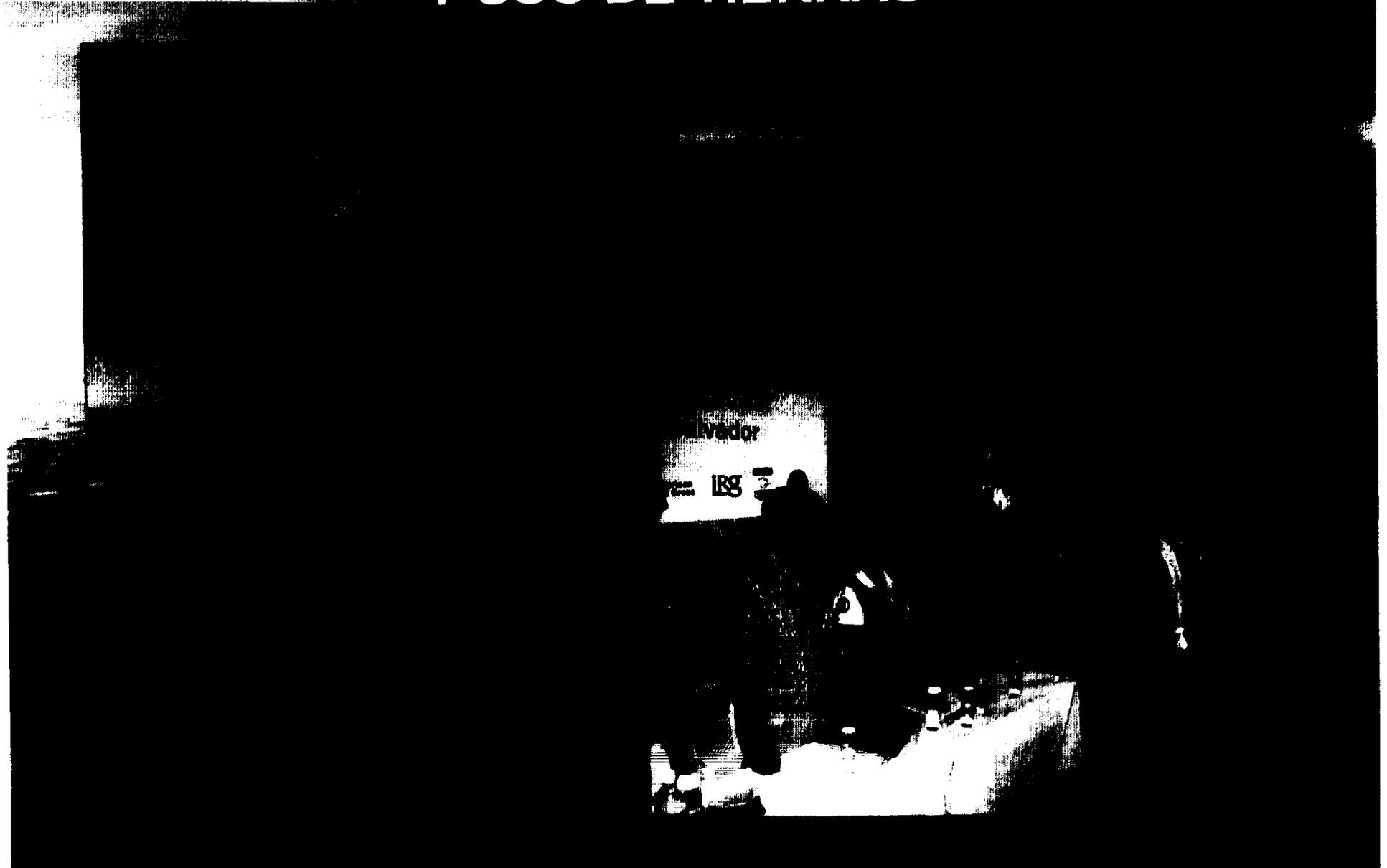




URGENT MESSAGE

32

# ENTREGA DE PLANES DE MITIGACION Y USO DE TIERRAS



# LOGROS ALCANZADOS

- 30 planes de Mitigación y Uso de Tierras con sus Mapas de Riesgo
- Capacitación de 91 actores locales en ARVIEW
- Organización de Comitivas de Gestión y Seguimiento (CGS)

**ALERTA TEMPRANA**

## CURSOS DE CAPACITACION PARA LA FORMACION DE INSTRUCTORES

- **CPI ( Capacitación para Instructores)**  
24 participantes
- **MACOE/PLEC ( Manejo y Control de Operaciones de Emergencia y Plan Local de Emergencia y Contingencia)**  
25 participantes
- **Taller de Elaboración de Materiales de Divulgación**  
30 participantes

## **CURSOS DE CAPACITACION PARA LA FORMACION DE INSTRUCTORES**

- **Taller de Actualización de Procedimientos y Protocolos**  
20 participantes
- **Taller de actualización de instructores en metodología CPI y Primeros Auxilios**  
20 participantes
- **Taller de Sistematización primer año fiscal**  
30 participantes

# CURSOS IMPARTIDOS

- **EDAN:9**  
210 participantes
- **MACOE:9**  
225 participantes
- **Tratamiento de Agua en Emergencia: 8**  
200 participantes
- **Salud Mental: 8**  
200 participantes
- **Talleres para la elaboración de Planes de Emergencia y contingencia Municipal: 300**

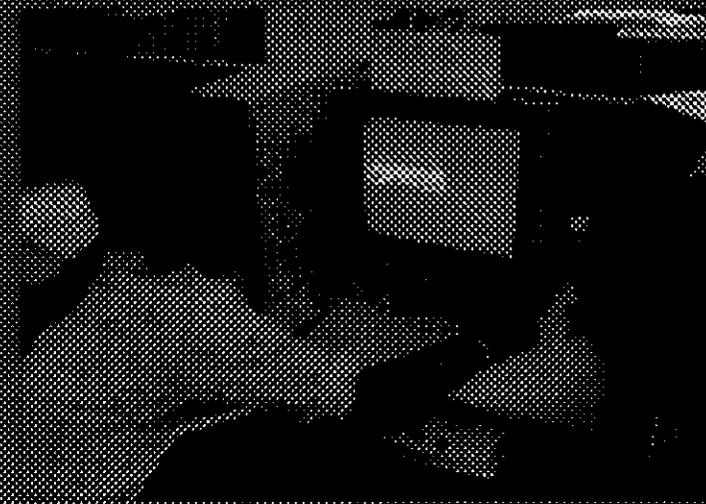
# CURSOS IMPARTIDOS

- **Primeros Auxilios: 50**  
1250 participantes
- **Sistemas Geográficos de Información y Comunicación: 3**  
90 participantes
- **Desinventar : 2**  
55 participantes
- **Radiocomunicación: 30**  
900 participantes

# CURSOS IMPARTIDOS



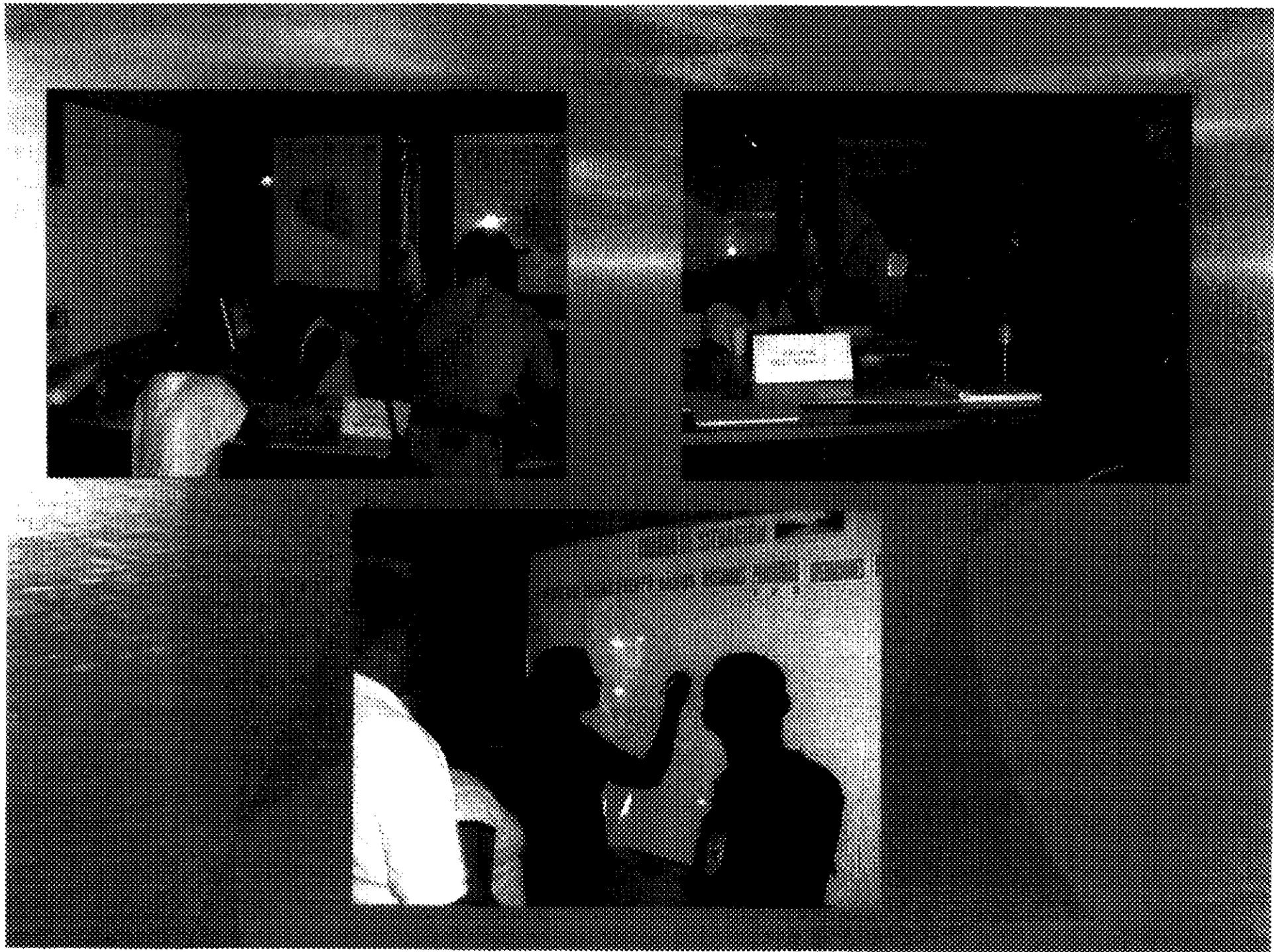
# CURSO DE DESINVENTAR IMPARTIDO



# SIMULACROS

## SAN LUIS LA HERRADURA

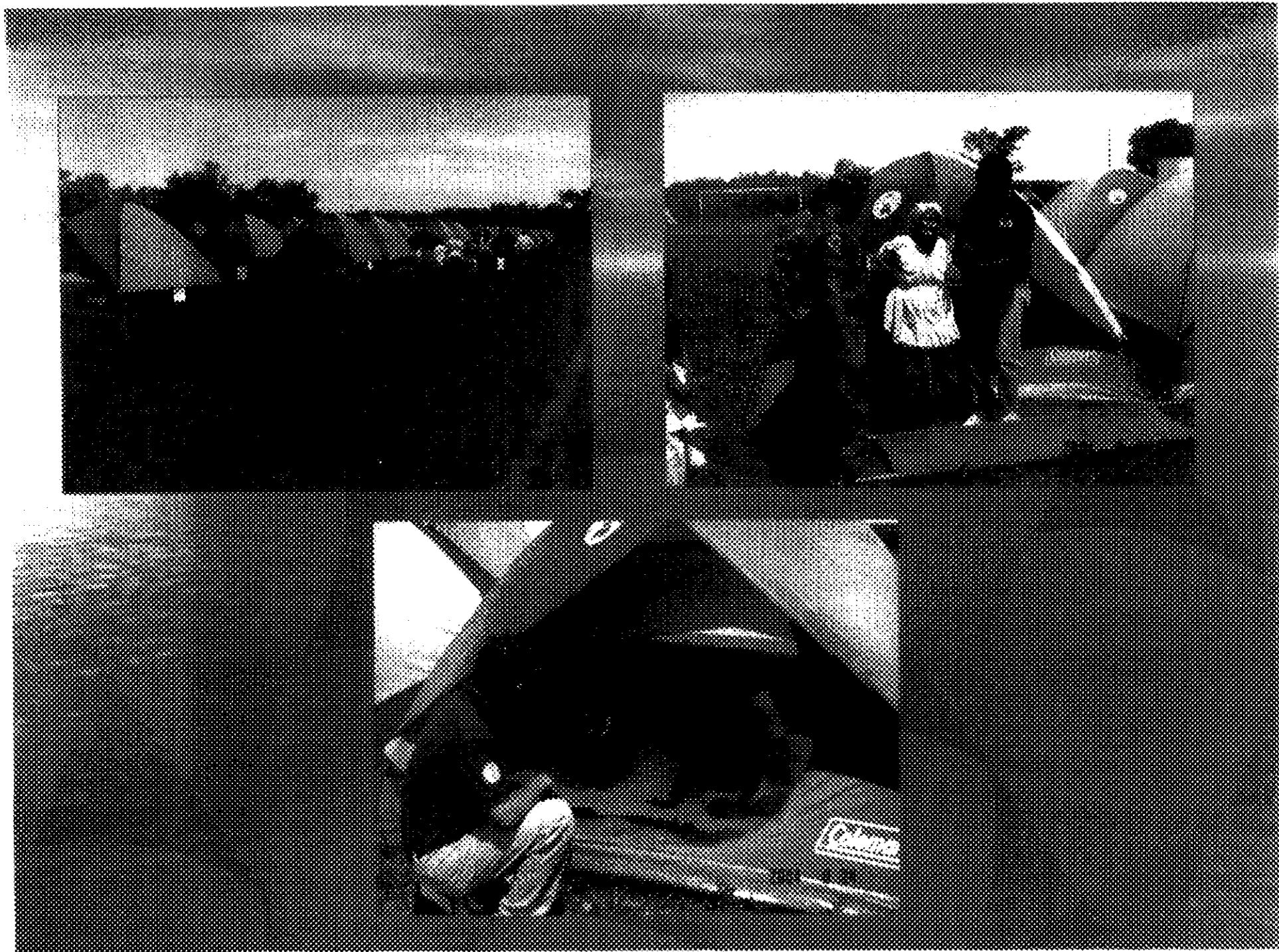




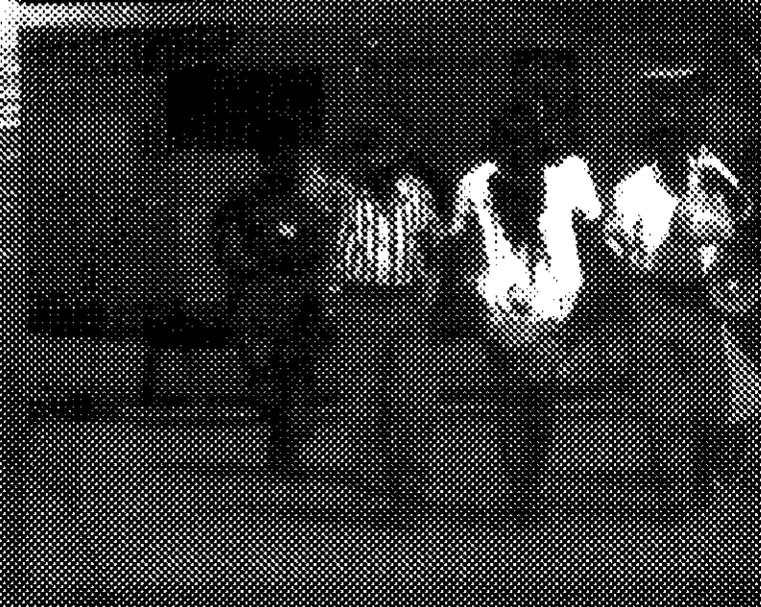
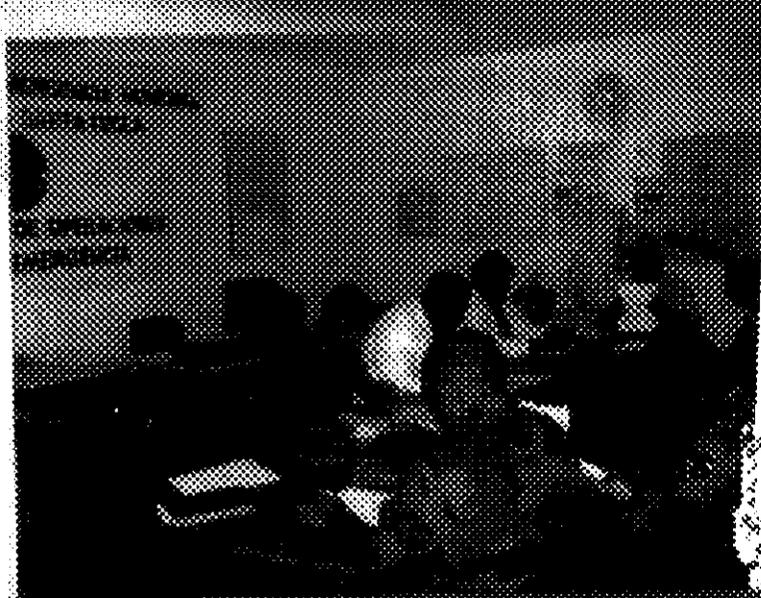




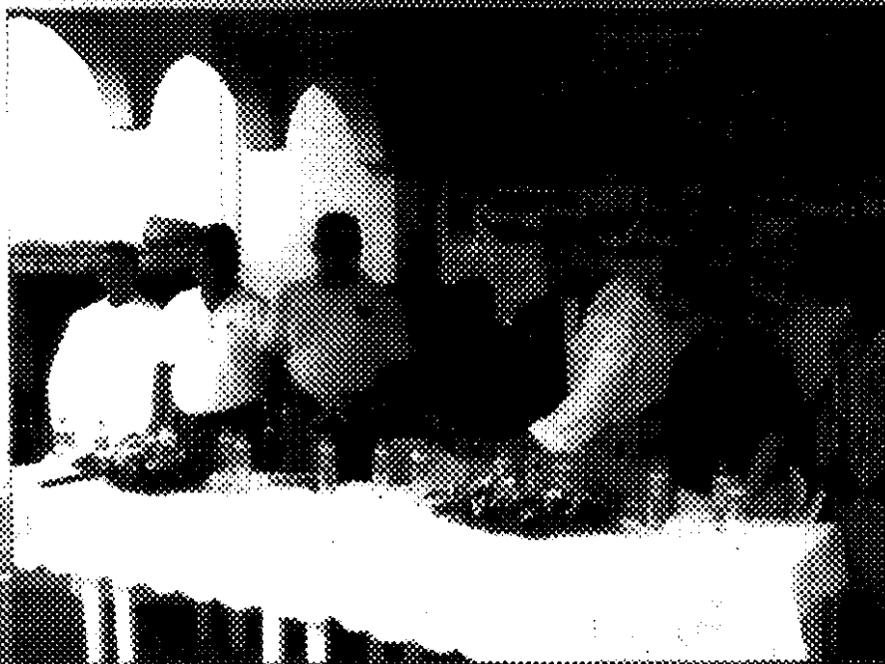
3



# SAN PEDRO NONUALCO



# INAUGURACION DE LOS CENTROS DE OPERACIONES DE EMERGENCIA MUNICIPAL



# INAUGURACION DE LOS CENTROS DE OPERACIONES DE EMERGENCIA MUNICIPAL



# EQUIPAMIENTO DEL CENTRO DE OPERACIONES DE EMERGENCIA MUNICIPAL



# EQUIPAMIENTO DEL CENTRO DE OPERACIONES DE EMERGENCIA NACIONAL (COEN)



# ENTREGA DE PLANES DE EMERGENCIA MUNICIPAL



# LOGROS ALCANZADOS

- Elaboración y Entrega de 30 Planes de Emergencia Municipal
- Equipamiento 30 Centros de Operaciones de Emergencia ( COE's)
- Activación de los Centros de Operaciones de Emergencia ( COE's)
- Simulaciones y Simulacros
- 900 Actores Locales Capacitados



# MITIGACION ESCOLAR

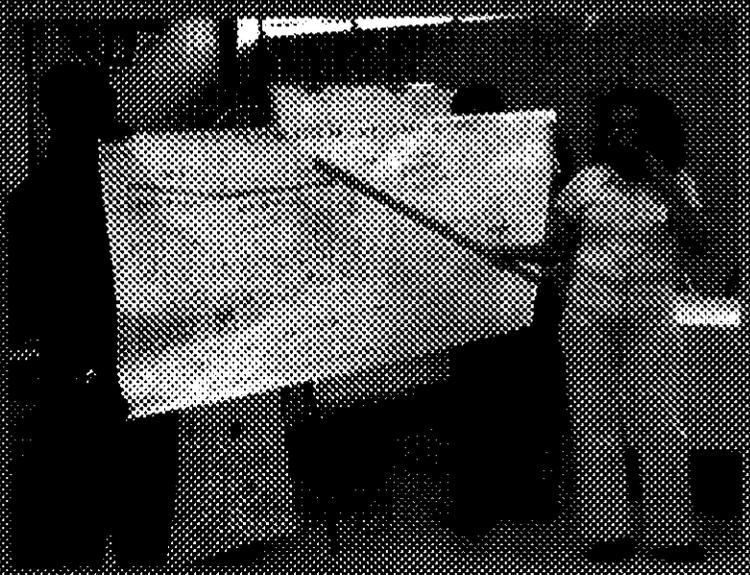
# CAPACITACIONES IMPARTIDAS

- Curso de Seguridad Escolar
- Evacuación
- Primeros Auxilios
- Extinción de Incendios
- Seguridad y Vigilancia
- Apoyo Psicosocial

# CURSOS DE PRIMEROS AUXILIOS



# CURSOS DE SEGURIDAD ESCOLAR



# CURSOS DE EXTINCION DE INCENDIOS



FASE TEORICA.

FASE PRACTICA

# Supervisión Constante en la fase practica



# Involucramiento de los participantes en las prácticas



# Simulacros





# Instituciones cooperantes

- Cuerpo de Bomberos Nacionales
- Policía Nacional Civil
- Técnicos del COEN en los departamentos impactados
- Alcaldía municipal
- Direcciones Departamentales de Educación

# ALCANCES

- **Elaboración de planes de Seguridad Escolar**
- **10 Cursos de Seguridad Escolar con 990 maestros capacitados**
- **Un aproximado de 54 mil beneficiarios directos durante el proceso.**
- **Incorporación de simulacros en los Centros Escolares**
- **Integración de los actores locales al proceso de gestión de riesgo**

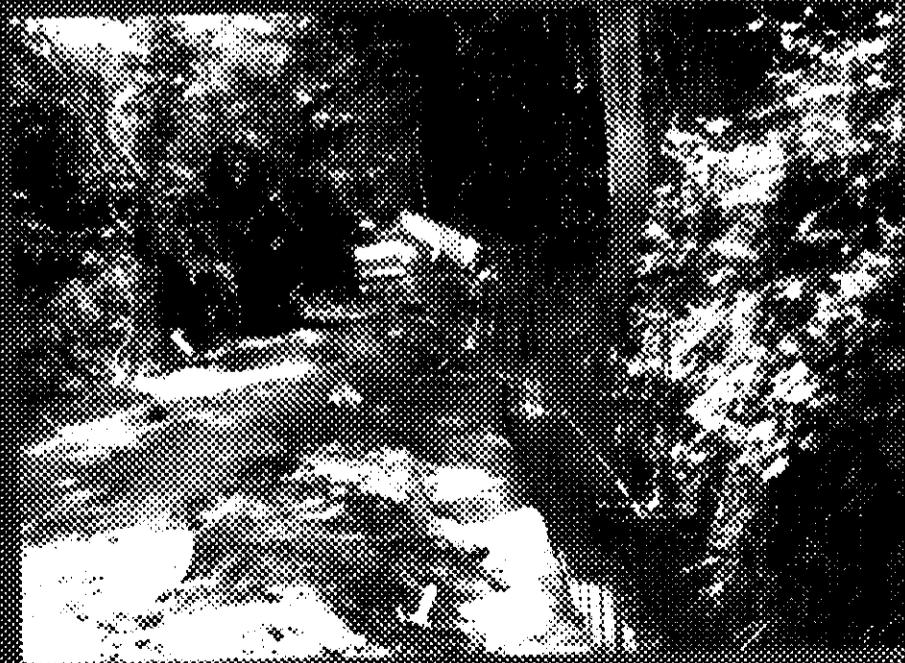


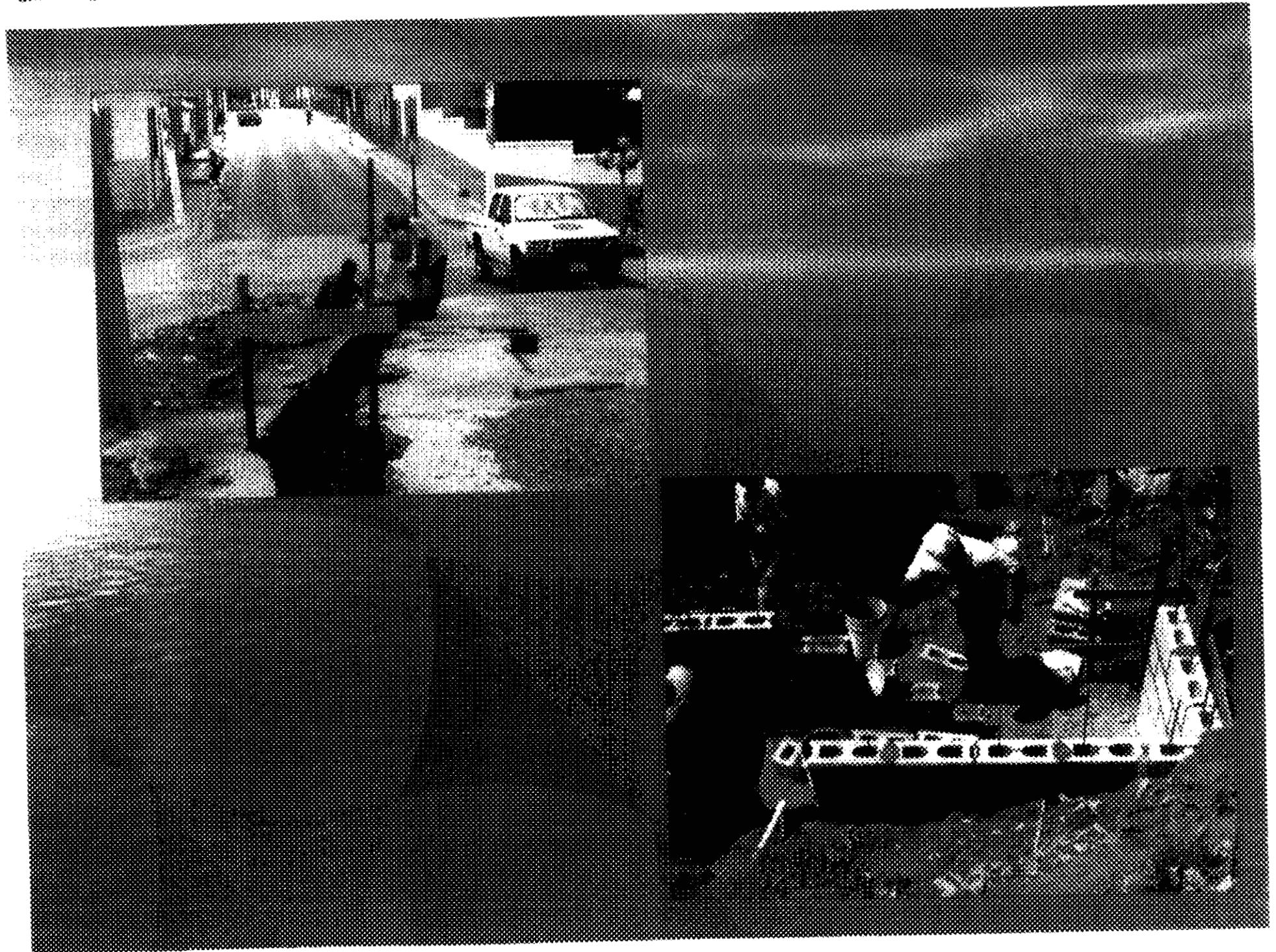
# **PROYECTOS DE MITIGACION**

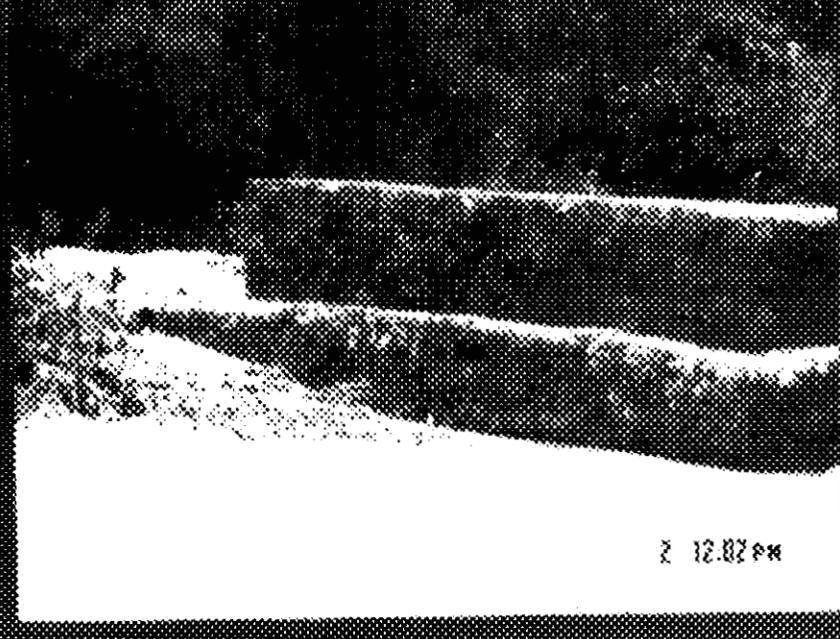
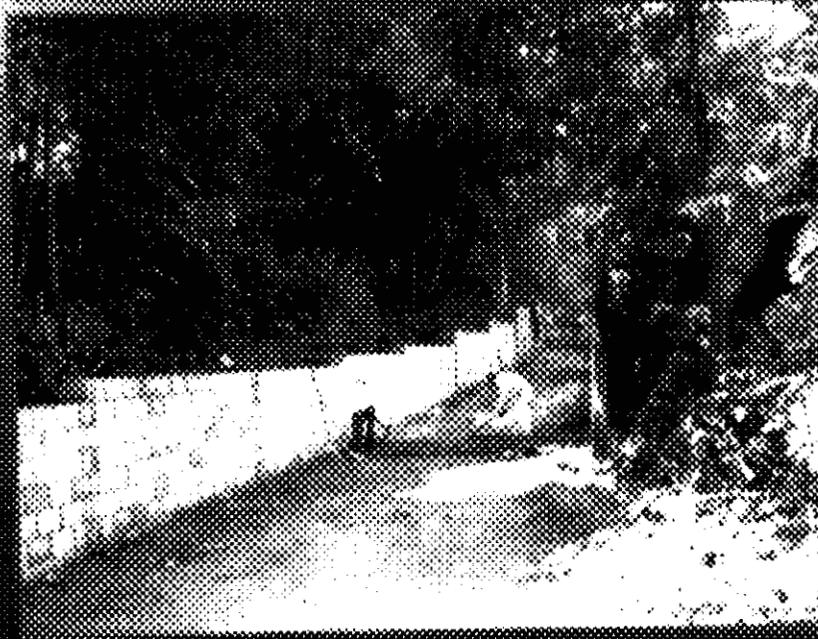
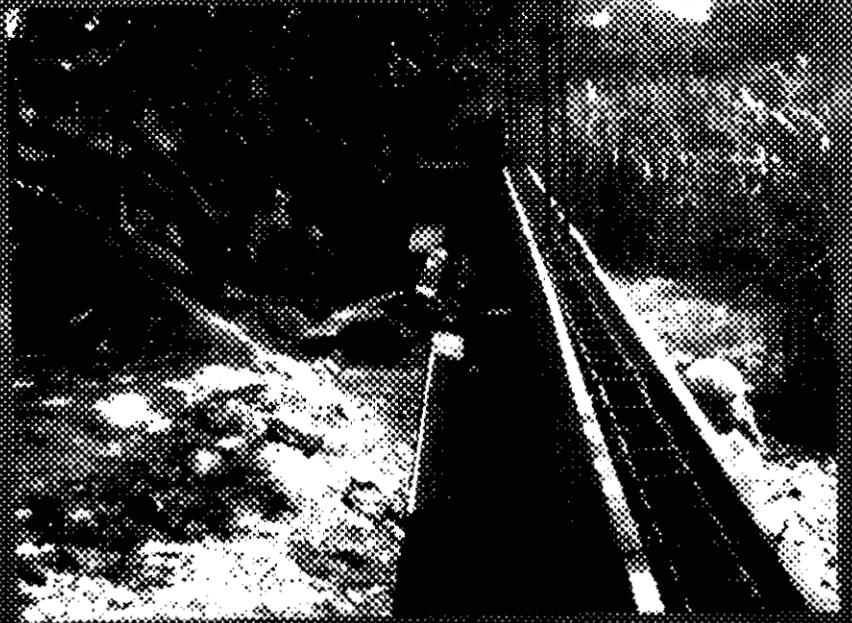
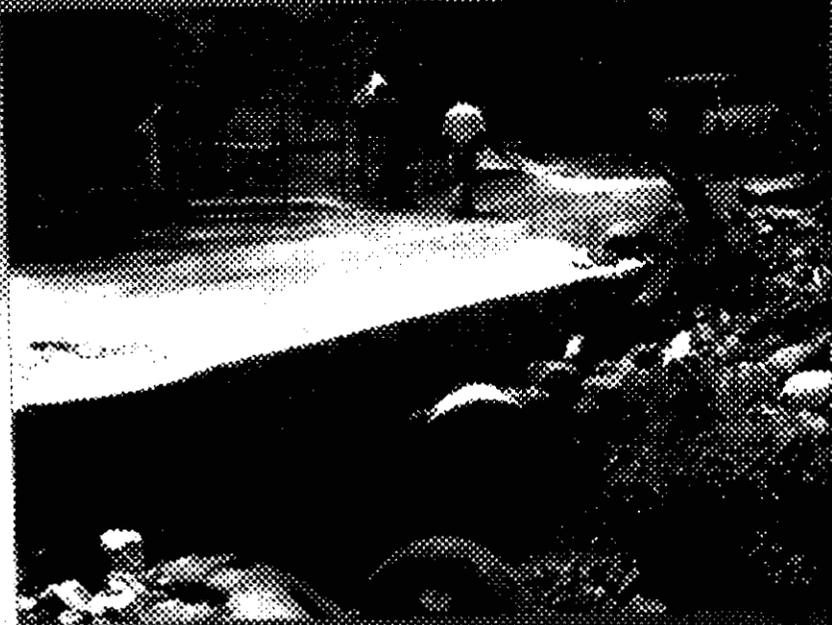
# TIPOS DE PROYECTOS

- CARPETAS TECNICAS
- OBRAS DE INFRAESTRUCTURA
- ESTUDIOS TECNICOS
- PROGRAMAS DE CAPACITACION

# PROYECTOS DE MITIGACION

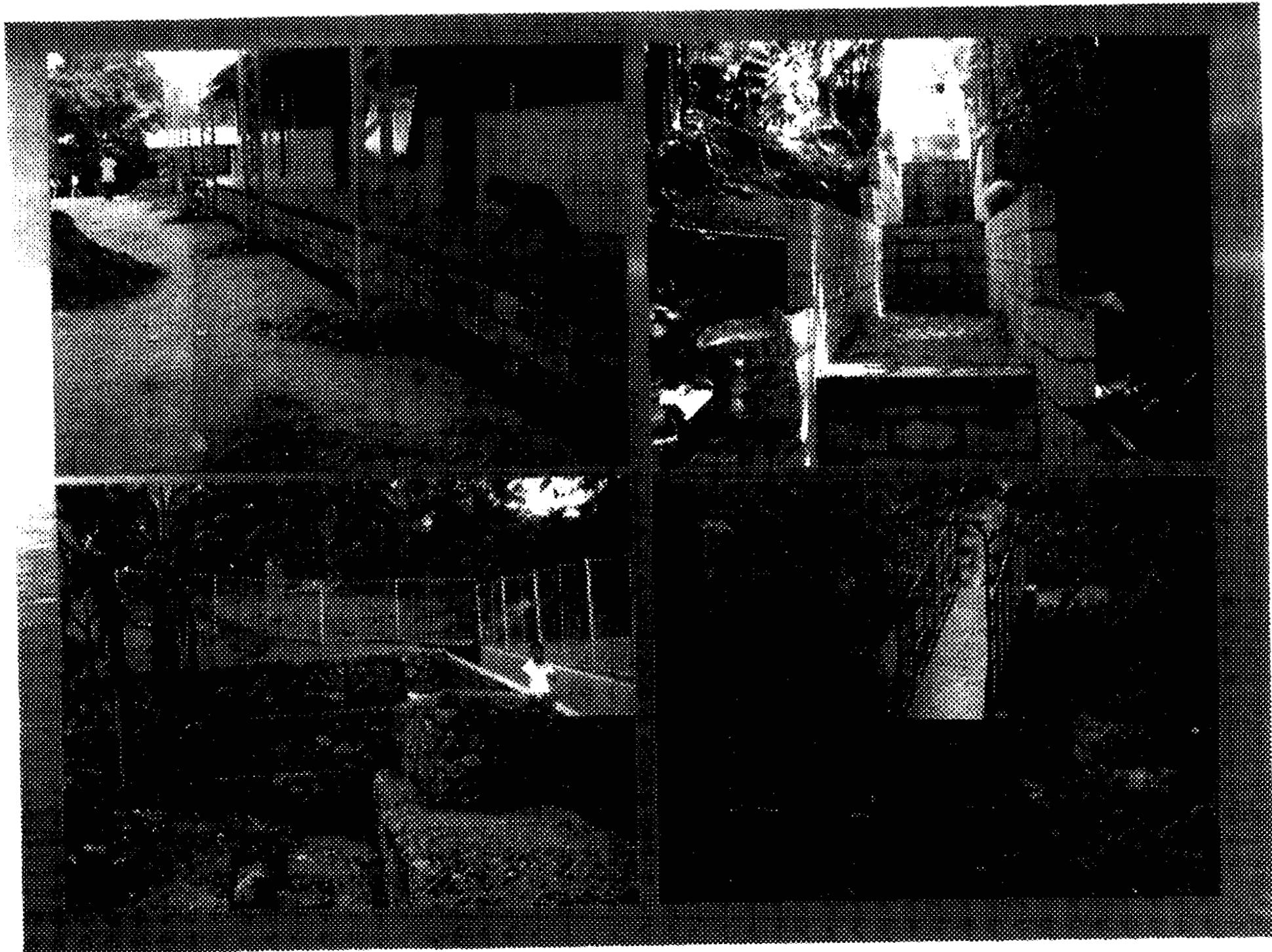






2 12:02 PM





# LOGROS ALCANZADOS

- 74 proyectos finalizados de los cuales son:
  - 28 Carpetas Técnicas
  - 3 Ordenanzas Municipales en :
    - Verapaz ( San Vicente)
    - Tecoluca ( San Vicente)
    - San Sebastián ( San Vicente)

# **LOGROS ALCANZADOS**

- **40 Obras físicas de Infraestructura**
- **3 Capacitaciones en gestión de riesgo en los municipios de:**
  - **Santa Tecla ( La Libertad)**
  - **San Sebastián( San Vicente)**
  - **Tecoluca ( San Vicente)**

# PROYECTOS FINALIZADOS POR DEPARTAMENTO

- La Libertad: 18 Proyectos
- San Vicente: 18 Proyectos
- La Paz: 17 Proyectos
- Cuscatlán: 21 Proyectos

# ANNEX 4