

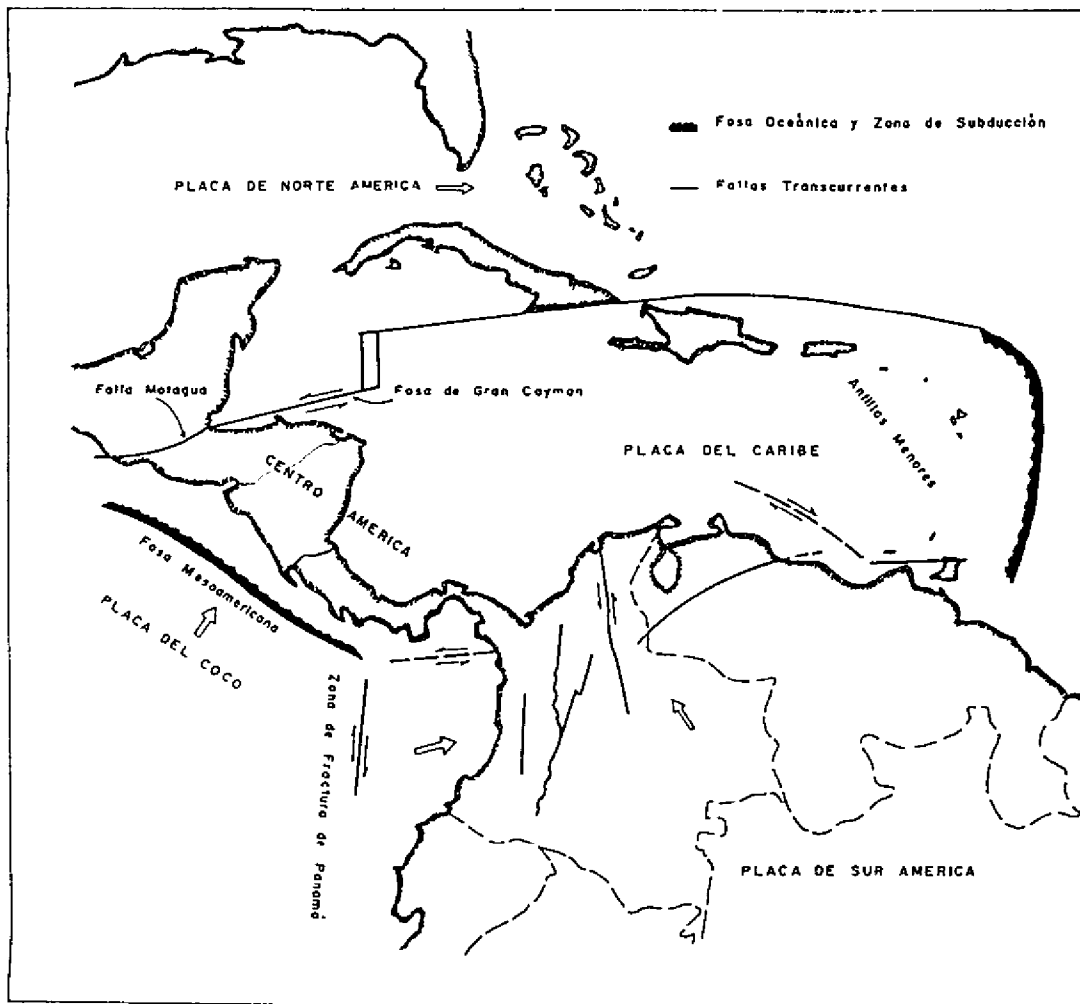
A N E X O

Descripción de Figuras

- Figura 1 :** *Ambiente Tectónico de Centroamérica*
- Figura 2 :** *Fuentes Sismogeneradoras de Nicaragua y alrededores inmediatos*
(a) *Profundidad : 0.0 - 29.0 Km;*
(b) *Profundidad : 30.0 - 110.0 Km;*
(c) *Profundidad : 110.0 - 200.0 Km.*
- Figura 3 :** *Fallas de la Zona Antearco de Nicaragua*
- Figura 4 :** *Fallas del Arco Volcánico de Nicaragua*
- Figura 5 :** *Fallas del área Urbana de Managua, Nicaragua*
- Figura 6 :** *Subdivisión de la Zona Sismogeneradora de la subducción, frente a Nicaragua*
- Figura 7 :** *Fuentes Sismogeneradoras y su Sismicidad, parte somera 0.0 - 29.0 Km, en Nicaragua*
- Figura 8 :** *Fuentes Sismogeneradoras y su Sismicidad, parte intermedia 30.0 - 110.0 Km, en Nicaragua*
- Figura 9 :** *Fuente Sismogeneradora y su Sismicidad, parte profunda 110.0 - 200.0 Km, en Nicaragua*
- Figura 10 :** *Relación Magnitud - Frecuencia, áreas 1, 2, 3 y 4*
- Figura 11 :** *Relación Magnitud - Frecuencia, área 5*
- Figura 12 :** *Relación Magnitud - Frecuencia, área 6*
- Figura 13 :** *Relación Magnitud - Frecuencia, áreas 7, 8, 9 y 10*
- Figura 14 :** *Relación Magnitud - Frecuencia, áreas 11, 12 y 13*
- Figura 15 :** *Amenaza Sísmica de Managua (suelo blando)*
- Figura 16 :** *Amenaza Sísmica de Managua (para roca).*

Figura 1

Se muestra un modelo de las relaciones
tectónicas principales de Centro América.



Modelo de Fuentes Sismogeneradoras que afectan al territorio de Nicaragua

Figura 2

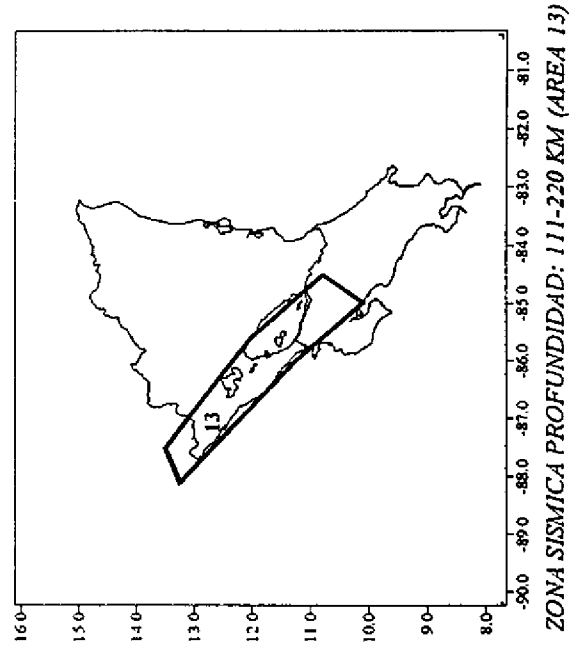
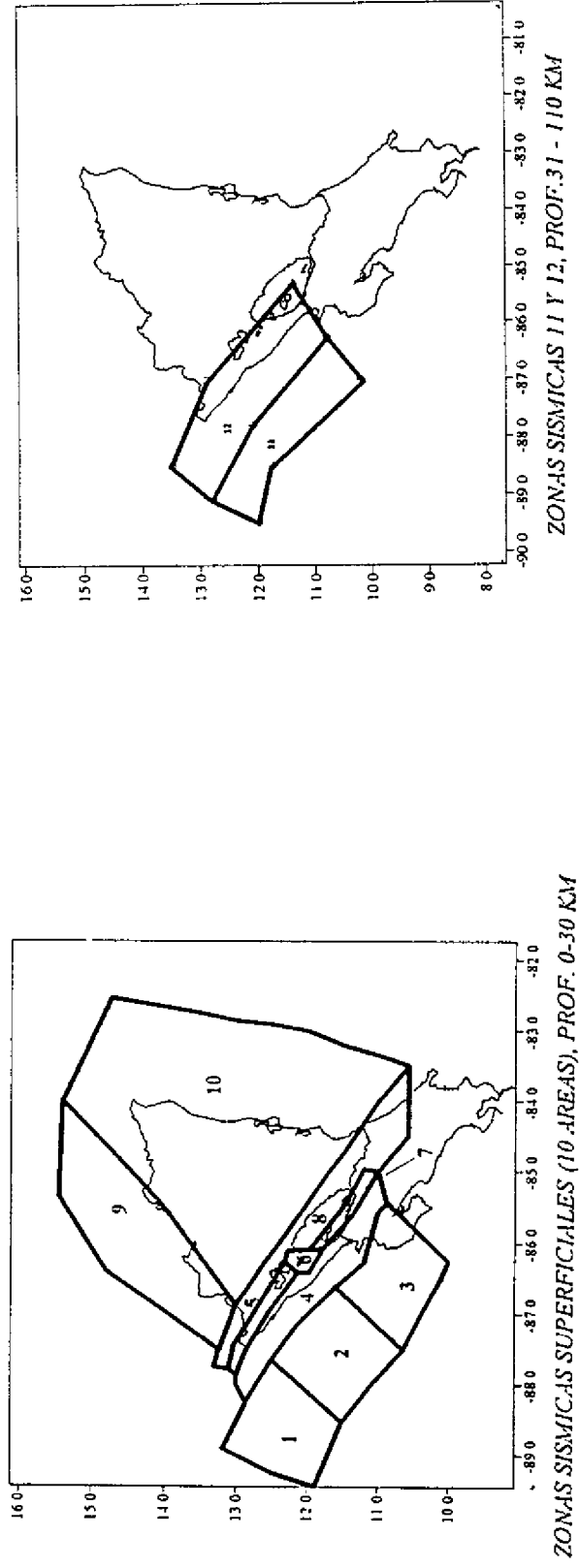
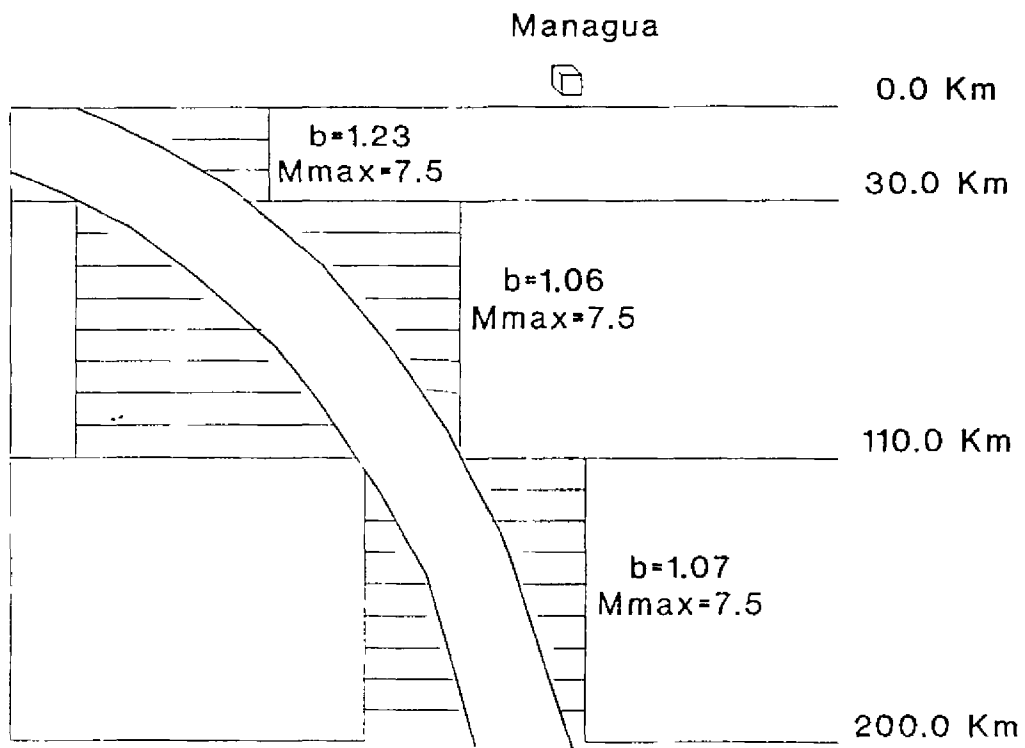


FIGURA 6

Segmentos de la Fuente Sismogénica que
corresponde a la zona de subducción.



Se modela la subducción en tres segmentos con
parámetros particulares a fin de separar comporta-
mientos sísmicos con efectos específicos en superficie.

Mb

 2 3 4 5 6 7

ZONAS SISMICAS SUPERFICIALES (0 - 29 KM)

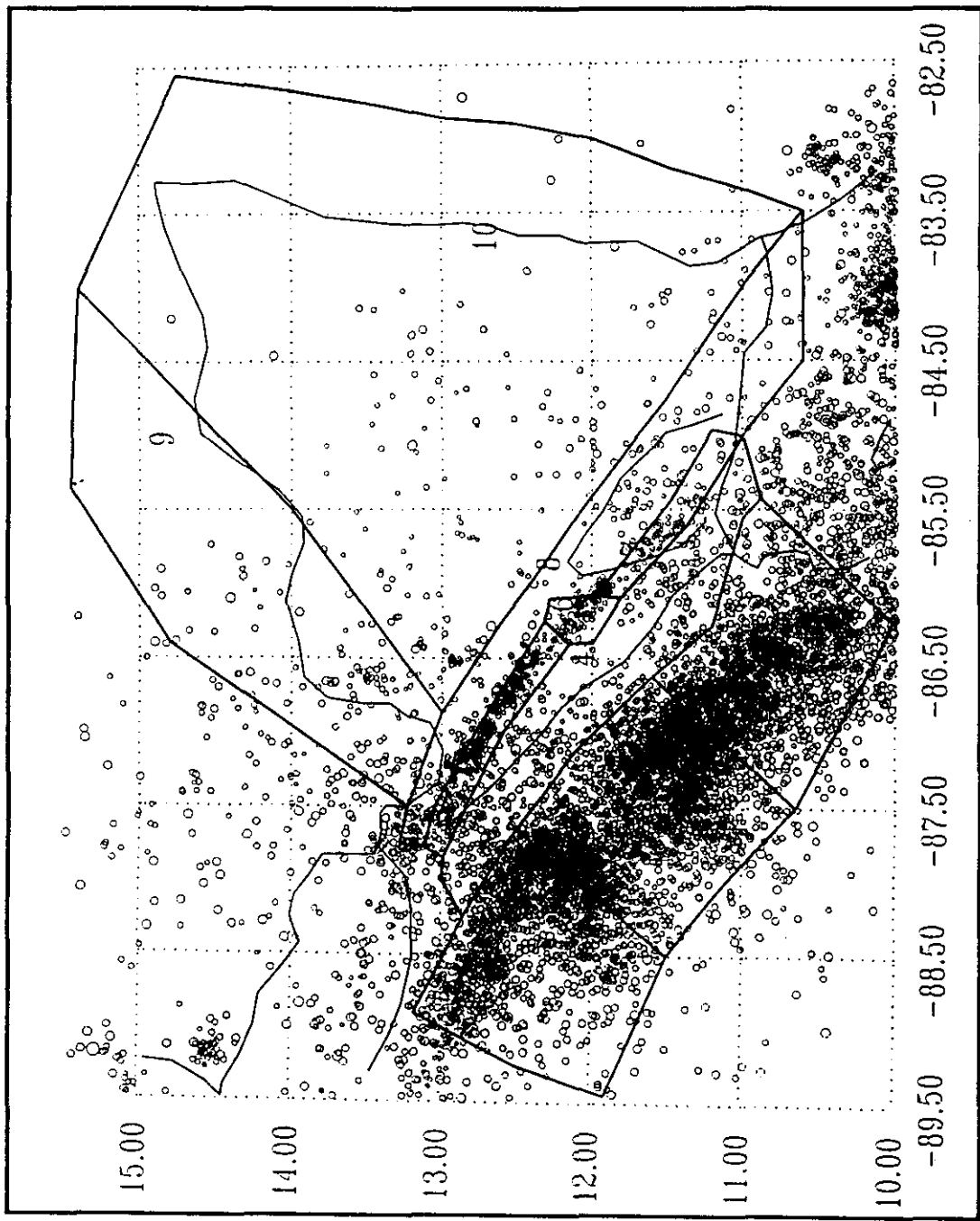


Figura 7

Modelo de Fuentes sismogeneradoras y Sismicidad asociada, profundidad somera (0.0 - 29.0 Km).

Mb
 . 2
 . 3
 . 4
 . 5
 . 6
 . 7

ZONA SISMICA DE PROF. INTERMEDIA (30 - 110 KM)

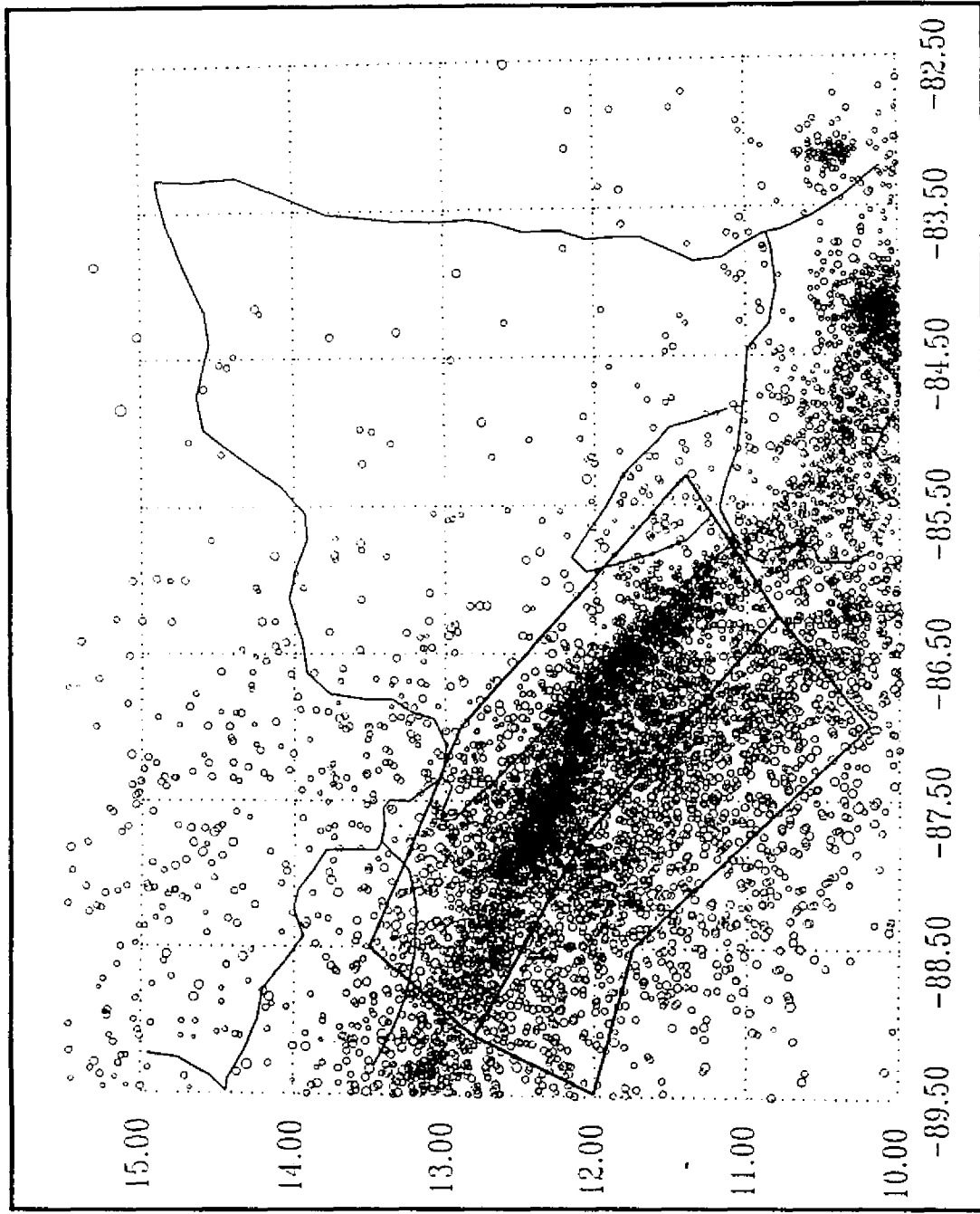


Figura 8

Modelo de Fuentes Sismogénéticas y Sismicidad asociada, profundidad intermedia (30.0 - 110.0 Km).

ZONA SISMICA No. 13, INTRAPLACA (PROF. 110 - 220 KM)

Mb

 2 3 4 5 6 7

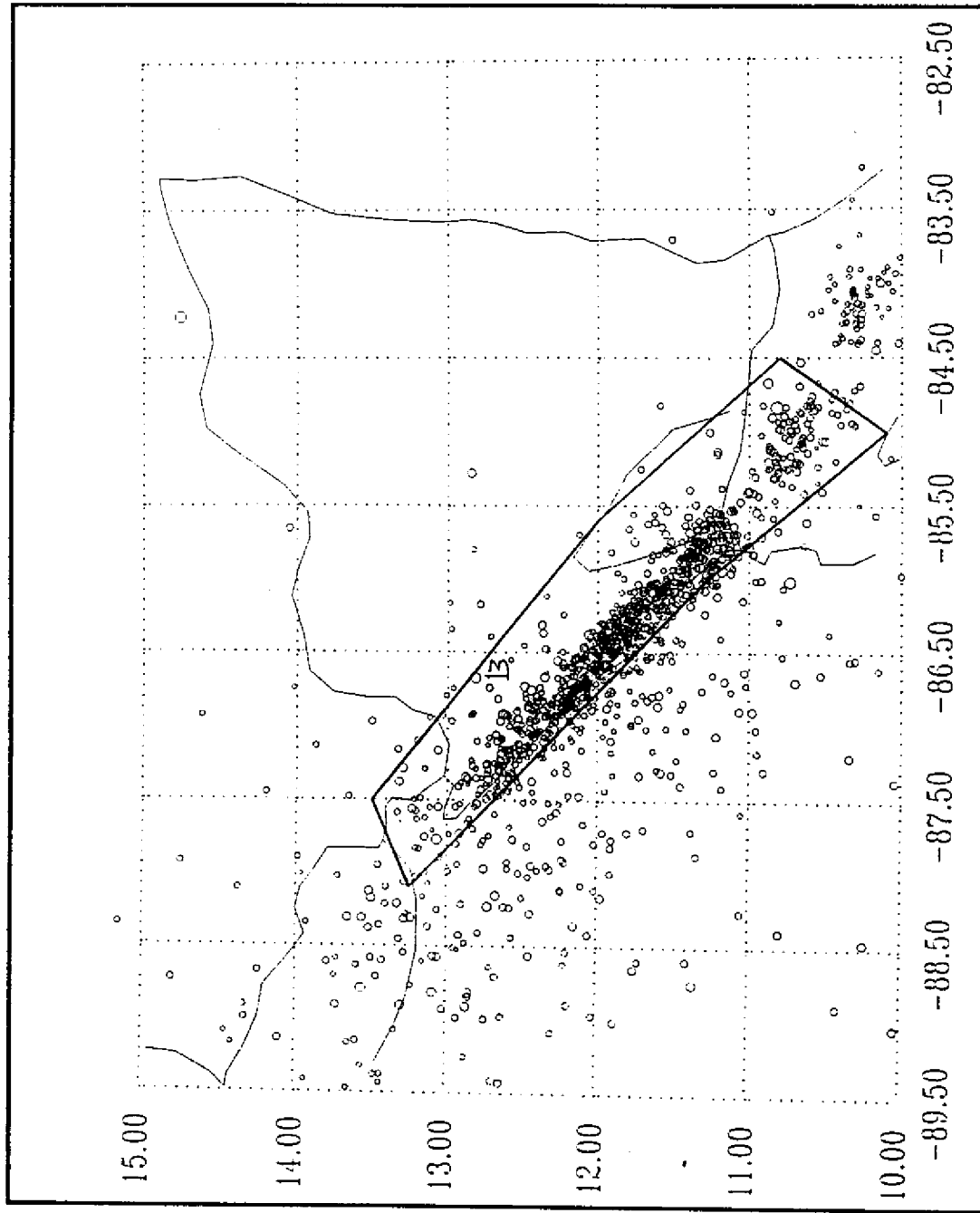


Figura 9

Modelo de Fuentes Sismogénica , parte profunda
 y Sismicidad asociada (110.0 - 200.0 Km).

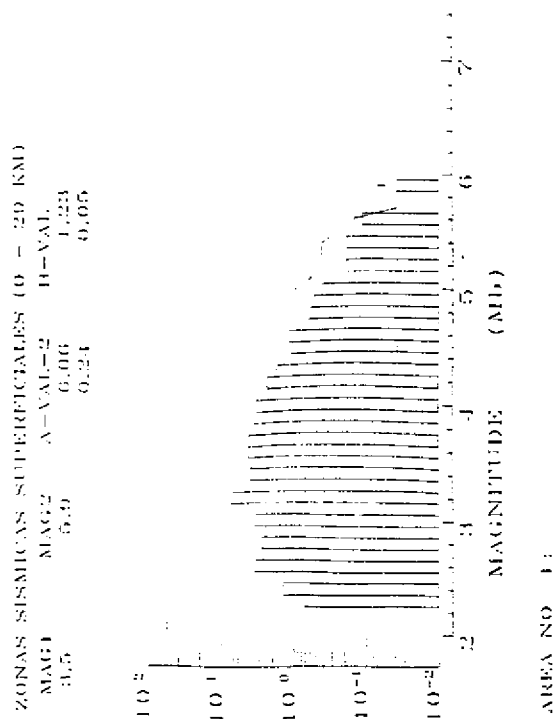
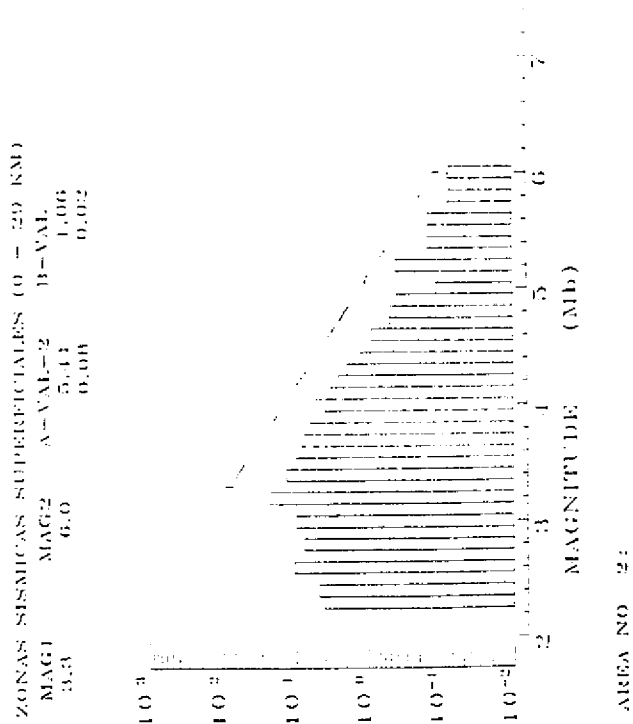
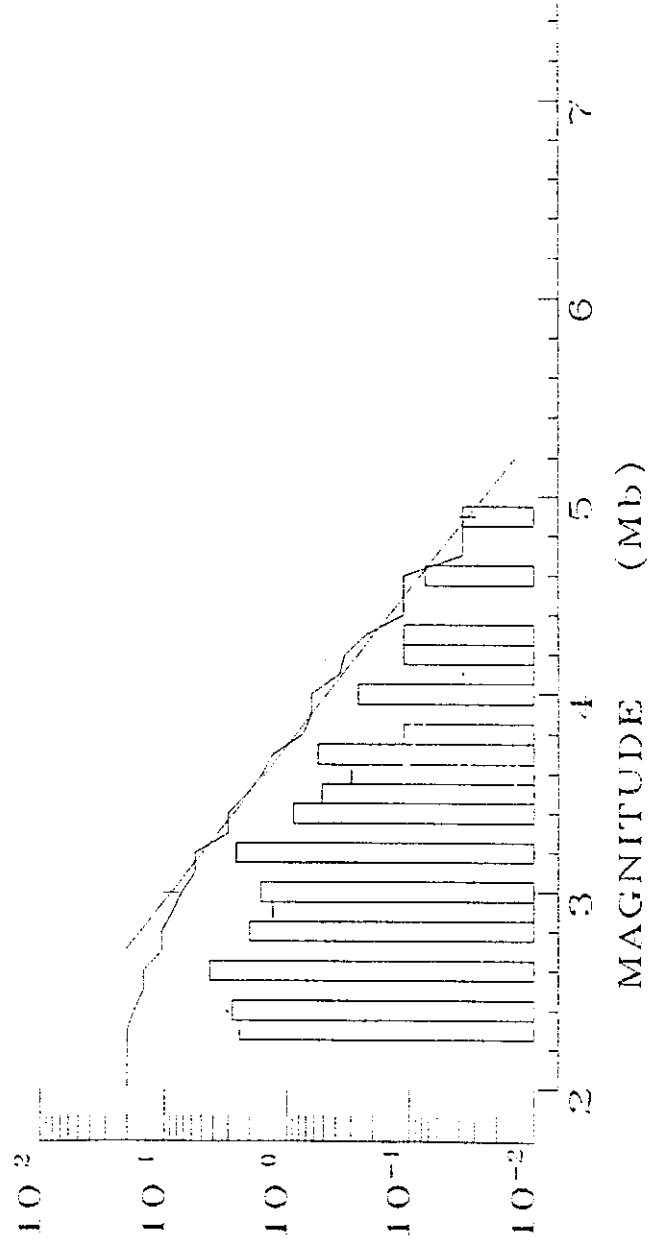


Figura 10

Relación Magnitud - Frecuencia p
las áreas 1, 2, 3 y 4, parte som

ZONAS SISMICAS SUPERFICIALES (0 - 29 KM)

MAG1	MAG2	A-VAL	B-VAL
3.0	4.9	4.75	1.27
		0.14	0.04



AREA NO 5:

Figura 11

Relación Magnitud - Frecuencia p
el segmento volcánico Norocciden

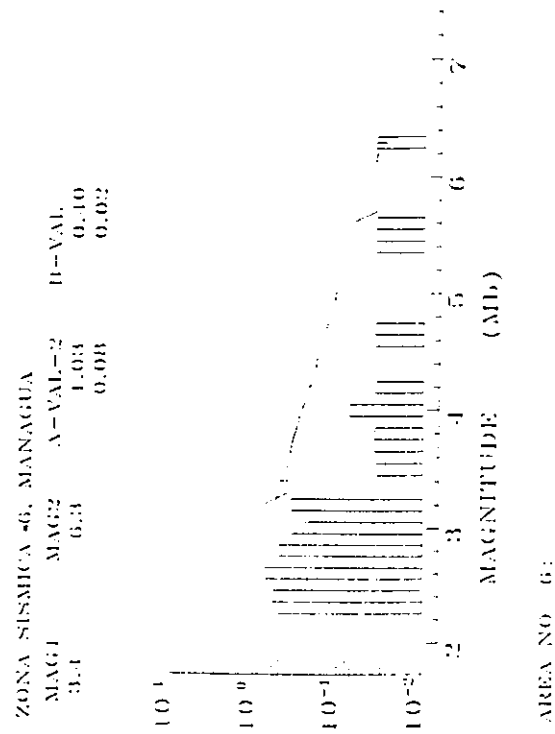
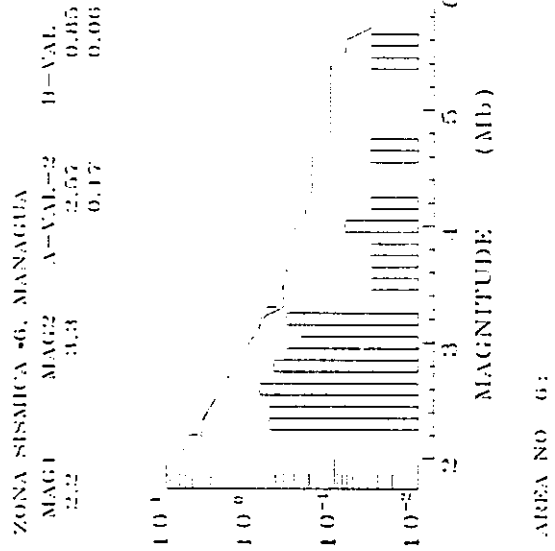


Figura 12

Relación Magnitud - Frecuencia para Managua
 Se aprecian dos comportamientos sísmicos :
 (a) Influencia microsísmica frecuente;
 (b) posibilidad de eventos importantes.

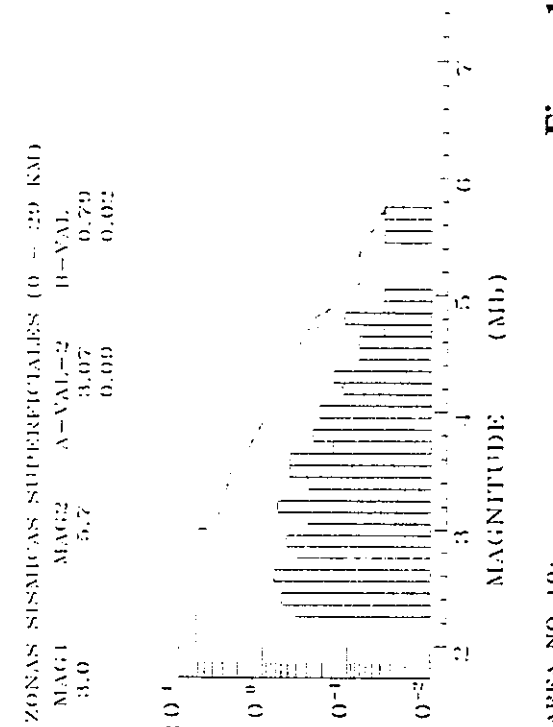
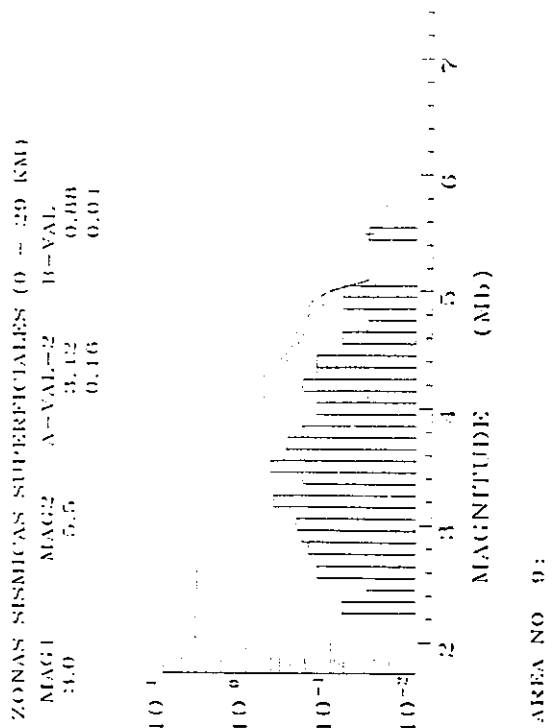
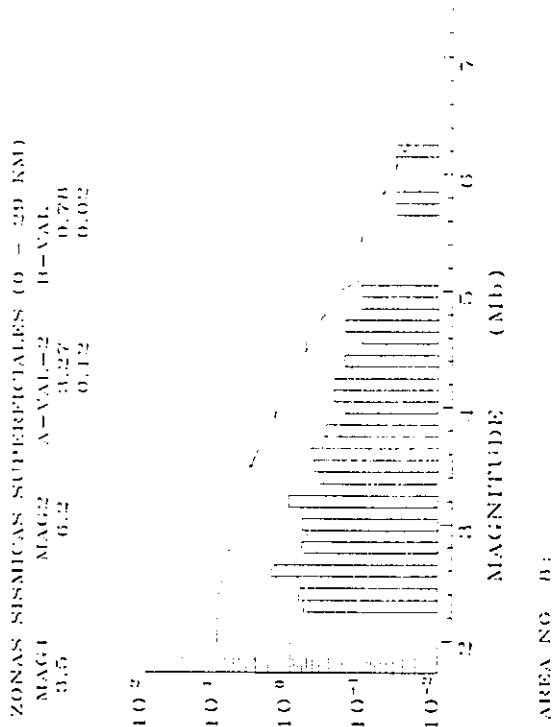
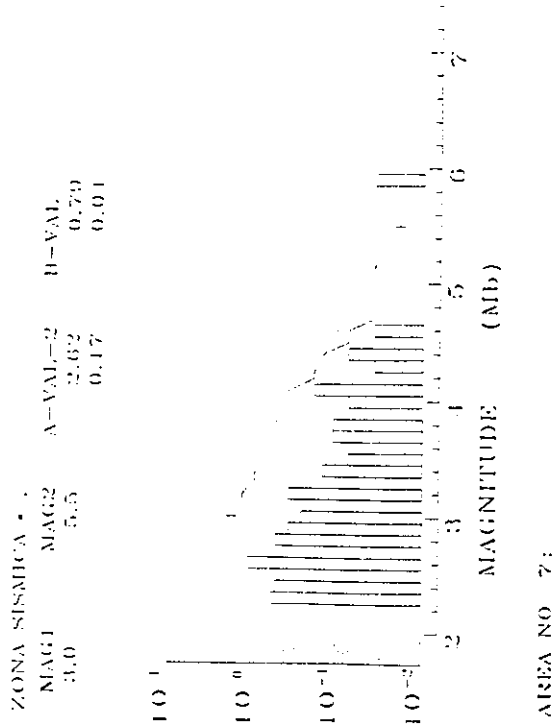
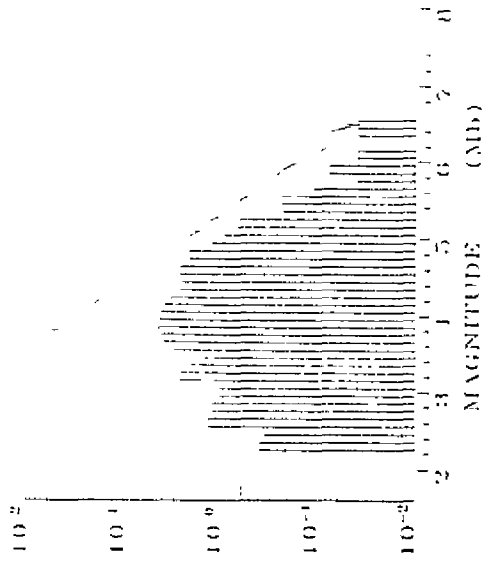


Figura 13

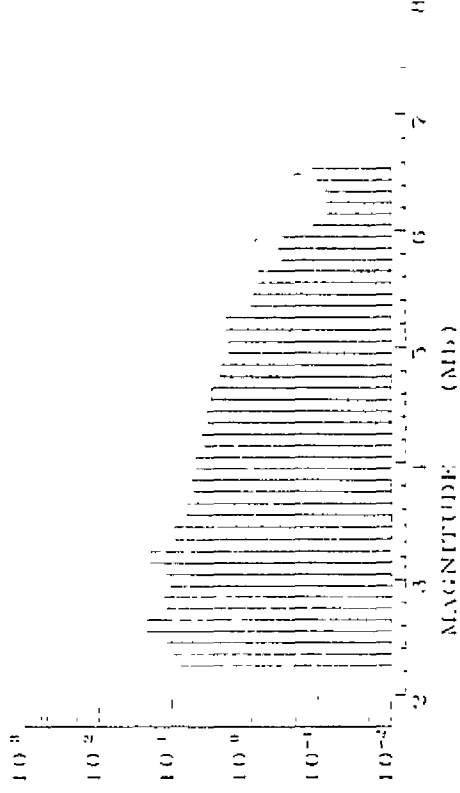
Relación Magnitud - Frecuencia para las
Fuentes Sísmicas de Profundidad Somera.

SUBREGION 1 PROF. 10- 110 KM
MAG1 MAG2 A-VAL-2 H-VAL
3.0 6.5 5.00 4.12
0.12 0.02



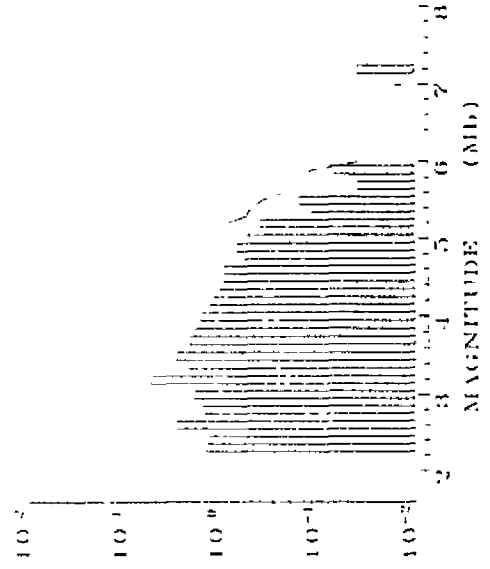
AREA NO 11

ZONA SISMICA DE PROF. INTERMEDIA (30 - 110 KM)
MAG1 MAG2 A-VAL-2 H-VAL
1.0 6.5 5.50 0.97
0.16 0.03



AREA NO 12

ZONA SISMICA NO 13, INTERMEDIA (PROF. 110 - 220 KM)
MAG1 MAG2 A-VAL-2 H-VAL
3.5 7.0 1.72 0.94
0.17 0.03



AREA NO 13

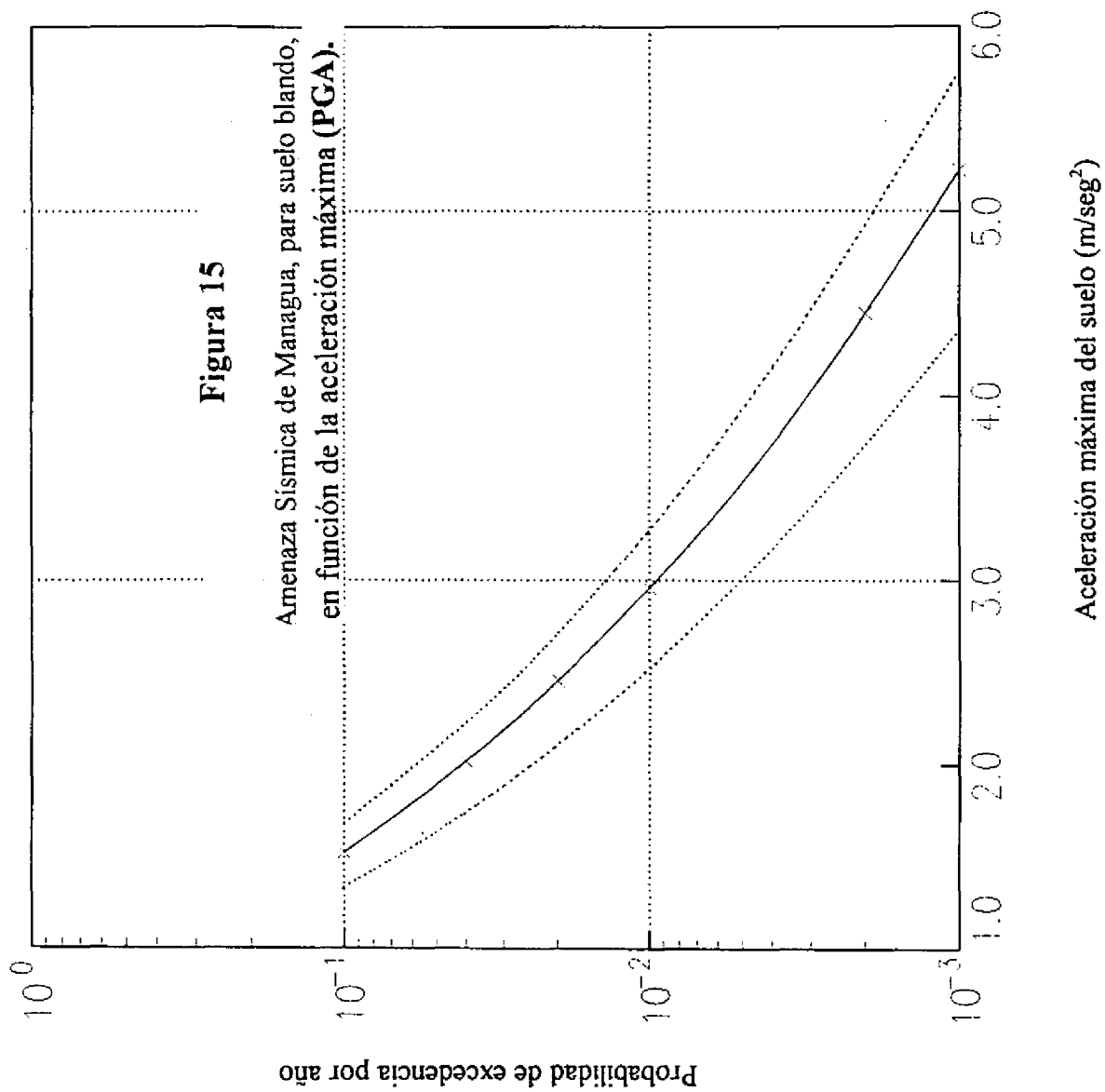
Figura 14

Relación Magnitud - Frecuencia correspondie
a las Fuentes Sísmicas intermedias (Nº 11 y 12)
y Fuente Sísmica Profunda (Nº 13).

Centro de Managua : -86.251° 12.140°

Figura 15

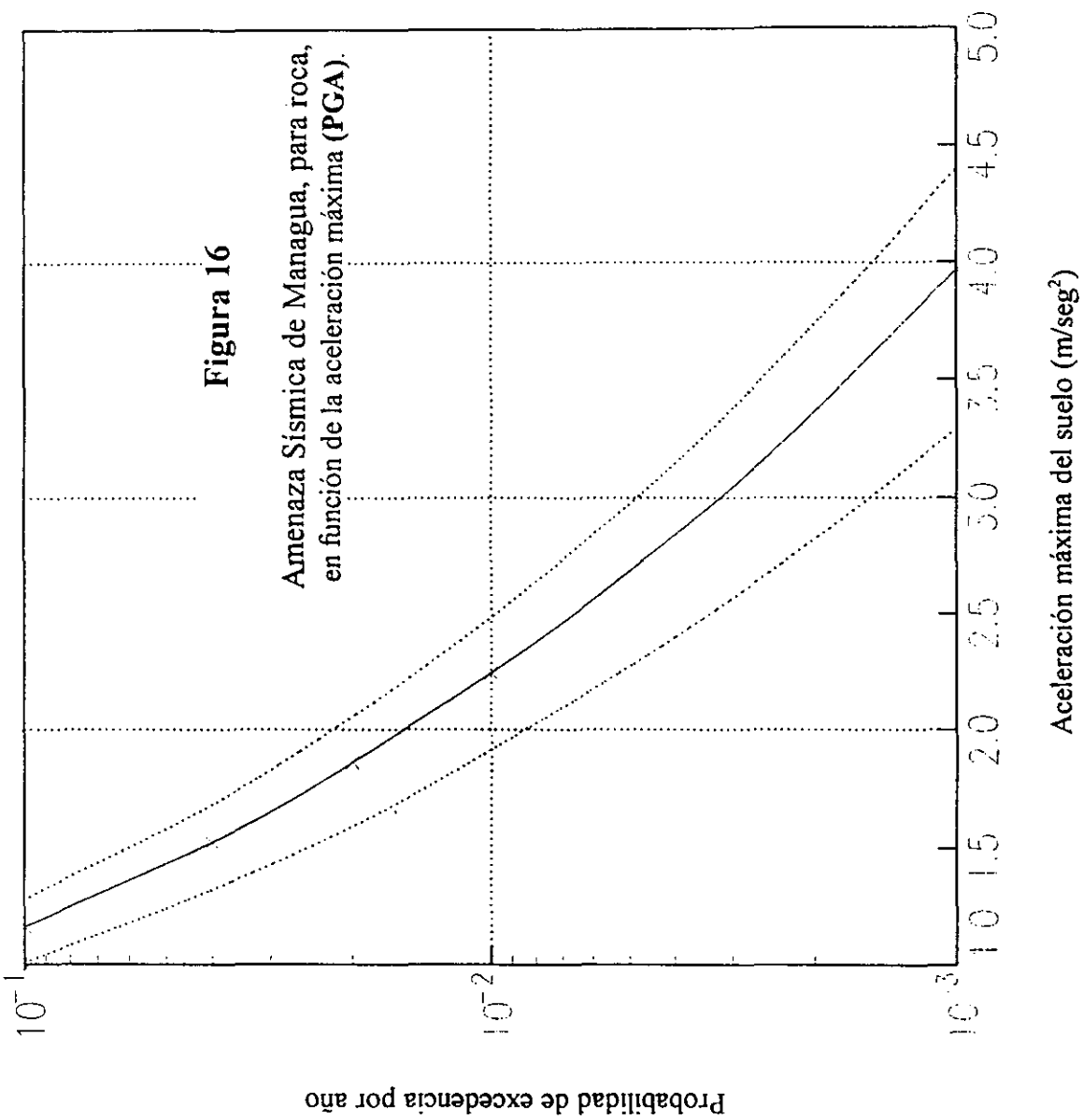
Amenaza Sísmica de Managua, para suelo blando,
en función de la aceleración máxima (PGA).



Centro de Managua : -86.251° 12.140°

Figura 16

Amenaza Sísmica de Managua, para roca,
en función de la aceleración máxima (PGA).



SALIDA DEL PROGRAMA NPRISK

A CONTINUACIÓN SE PRESENTA UN LISTADO CON LA DESCRIPCIÓN DE LAS ZONAS Y SUBZONAS DE LAS FUENTES SISMOGENERADORAS, PARÁMETROS DE LA ECUACIÓN DE ATENUACIÓN PARA ROCA Y LOS VALORES CORRESPONDIENTES DE LA ACCELERACIÓN MÁXIMA DEL SUELO PARA PERÍODOS DE RETORNO DE 10, 25, 50, 100 Y 500 AÑOS.

PRISK SEISMIC HAZARD ANALYSIS: Managua site HAZARD PGA (rock, Atenuat. Relation of

DISCRETIZATION	PARAMETERS:	25	1.00	0.05				
STATISTICAL CONFIDENCE LEVELS:		0.10	0.20	0.30	0.40	0.50	0.60	0.70
STANDARD DEVIATIONS COMPUTED:		-1.28	-0.84	-0.52	-0.25	0.00	0.25	0.52
GROUND MOTION VALUES EXAMINED:		0.15	0.30	0.60	0.90	1.20	1.80	2.40
EXCEEDANCE PROBABILITY VALUES:		0.1000	0.0400	0.0200	0.0100	0.0020	0.0	

***** REGIONAL SEISMIC PARAMETERS *****

ZONE	ATTENUATION:	C1	C2	C3	C4	C5	C6	SIG	WEIGH'
		-1.687	0.553	-0.537	-0.003	0.000	0.000	0.500	0.300
		-1.687	0.553	-0.537	-0.003	0.000	0.000	0.600	0.400
		-1.687	0.553	-0.537	-0.003	0.000	0.000	0.700	0.300

***** SEISMIC SOURCE CHARACTERISTICS *****

GROSS ZONE 1	SUB-ZONE COORDINATE DATA	-88.50	11.50	-87.65	12.50
GROSS ZONE 1	SUB-ZONE COORDINATE DATA	-89.45	11.90	-88.25	12.85
GROSS ZONE 1	SUB-ZONE COORDINATE DATA	-89.25	12.50	-88.90	13.18
MAGNITUDE THRESHOLD:	4.30				
ACTIVITY RATE/YR :	2.9510 5.9020 11.8040				
WEIGHTS :	0.20 0.60 0.20				
B VALUE :	1.13 1.23 1.28				
WEIGHTS :	0.20 0.60 0.20				
SOURCE DEPTH :	5.00 20.00 29.00				
WEIGHTS :	0.20 0.60 0.20				
MAXIMUM MAGNITUDE :	7.30 7.50 7.80				
WEIGHTS :	0.10 0.70 0.20				
GROSS ZONE 2	SUB-ZONE COORDINATE DATA	-87.50	10.65	-86.62	11.60
GROSS ZONE 2	SUB-ZONE COORDINATE DATA	-88.00	11.10	-87.15	12.13
GROSS ZONE 2	SUB-ZONE COORDINATE DATA	-88.50	11.50	-87.65	12.50
MAGNITUDE THRESHOLD:	4.30				
ACTIVITY RATE/YR :	3.5561 7.1121 14.2242				
WEIGHTS :	0.20 0.60 0.20				
B VALUE :	1.00 1.06 1.10				
WEIGHTS :	0.20 0.60 0.20				
SOURCE DEPTH :	5.00 15.00 29.00				
WEIGHTS :	0.10 0.70 0.20				
MAXIMUM MAGNITUDE :	7.30 7.50 7.80				
WEIGHTS :	0.20 0.60 0.20				
GROSS ZONE 3	SUB-ZONE COORDINATE DATA	-86.25	10.02	-85.43	10.88
GROSS ZONE 3	SUB-ZONE COORDINATE DATA	-86.50	10.13	-85.56	11.00
GROSS ZONE 3	SUB-ZONE COORDINATE DATA	-87.00	10.39	-86.28	11.20
GROSS ZONE 3	SUB-ZONE COORDINATE DATA	-87.50	10.65	-86.62	11.60
MAGNITUDE THRESHOLD:	4.30				

ACTIVITY RATE/YR	:	4.1450	8.2985	16.5800
WEIGHTS	:	0.20	0.60	0.20
B VALUE	:	1.00	1.07	1.10
WEIGHTS	:	0.20	0.60	0.20
SOURCE DEPTH	:	5.00	20.00	29.00
WEIGHTS	:	0.20	0.60	0.20
MAXIMUM MAGNITUDE	:	7.30	7.50	7.70
WEIGHTS	:	0.30	0.60	0.10

GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-85.43	10.88	-85.00	11.00
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-85.56	11.00	-85.60	11.36
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-86.28	11.20	-86.10	11.81
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-86.62	11.60	-86.39	11.99
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-87.15	12.13	-86.40	12.15
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-87.65	12.50	-87.00	12.59
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-88.25	12.85	-87.50	12.84
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-88.00	13.00	-87.85	12.99

MAGNITUDE THRESHOLD:	4.30			
ACTIVITY RATE/YR	:	0.7418	1.4962	2.9924
WEIGHTS	:	0.10	0.70	0.20
B VALUE	:	0.80	0.85	0.90
WEIGHTS	:	0.20	0.60	0.20
SOURCE DEPTH	:	5.00	15.00	29.00
WEIGHTS	:	0.20	0.60	0.20
MAXIMUM MAGNITUDE	:	6.00	6.30	6.60
WEIGHTS	:	0.10	0.70	0.20

GROSS ZONE	5	SUB-ZONE	COORDINATE DATA	-86.40	12.15	-86.25	12.32
GROSS ZONE	5	SUB-ZONE	COORDINATE DATA	-87.00	12.59	-86.96	12.75
GROSS ZONE	5	SUB-ZONE	COORDINATE DATA	-87.50	12.84	-87.50	13.05
GROSS ZONE	5	SUB-ZONE	COORDINATE DATA	-87.85	12.99	-87.78	13.12

MAGNITUDE THRESHOLD:	4.30			
ACTIVITY RATE/YR	:	0.0973	0.1945	0.3890
WEIGHTS	:	0.20	0.60	0.20
B VALUE	:	1.17	1.27	1.37
WEIGHTS	:	0.20	0.60	0.20
SOURCE DEPTH	:	3.00	10.00	29.00
WEIGHTS	:	0.20	0.60	0.20
MAXIMUM MAGNITUDE	:	5.80	6.00	6.40
WEIGHTS	:	0.10	0.70	0.20

GROSS ZONE	6	SUB-ZONE	COORDINATE DATA	-86.39	11.99	-86.10	11.81
GROSS ZONE	6	SUB-ZONE	COORDINATE DATA	-86.40	12.15	-86.08	11.97
GROSS ZONE	6	SUB-ZONE	COORDINATE DATA	-86.25	12.32	-86.10	12.28

MAGNITUDE THRESHOLD:	4.30			
ACTIVITY RATE/YR	:	0.0681	0.1361	0.2722
WEIGHTS	:	0.20	0.60	0.20
B VALUE	:	0.40	0.62	0.85
WEIGHTS	:	0.30	0.40	0.30
SOURCE DEPTH	:	0.00	4.00	29.00
WEIGHTS	:	0.20	0.70	0.10
MAXIMUM MAGNITUDE	:	5.80	6.20	6.50
WEIGHTS	:	0.10	0.50	0.40

GROSS ZONE	7	SUB-ZONE	COORDINATE DATA	-85.00	11.00	-84.96	11.20
GROSS ZONE	7	SUB-ZONE	COORDINATE DATA	-85.60	11.36	-85.43	11.47
GROSS ZONE	7	SUB-ZONE	COORDINATE DATA	-86.10	11.81	-86.08	11.97

MAGNITUDE THRESHOLD:	4.30			
ACTIVITY RATE/YR	:	0.0836	0.1671	0.3342
WEIGHTS	:	0.20	0.60	0.20
B VALUE	:	0.69	0.79	0.89
WEIGHTS	:	0.20	0.60	0.20
SOURCE DEPTH	:	3.00	10.00	29.00
WEIGHTS	:	0.20	0.60	0.20
MAXIMUM MAGNITUDE	:	5.80	6.20	6.50
WEIGHTS	:	0.20	0.60	0.20

GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-84.50	10.60	-83.50	10.60
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-85.00	11.00	-84.00	11.00
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-84.96	11.20	-84.75	11.50
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-85.43	11.47	-85.00	11.70
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-86.08	11.97	-85.62	12.15
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-86.10	12.28	-86.00	12.41
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-86.25	12.32	-86.25	12.60
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-86.96	12.75	-86.87	13.00
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-87.50	13.05	-87.50	13.23
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-87.78	13.12	-87.75	13.28
MAGNITUDE THRESHOLD: 4.30					
ACTIVITY RATE/YR	: 0.4121 0.8241 1.6482				
WEIGHTS	: 0.20 0.60 0.20				
B VALUE	: 0.68 0.78 0.88				
WEIGHTS	: 0.20 0.60 0.20				
SOURCE DEPTH	: 5.00 10.00 29.00				
WEIGHTS	: 0.20 0.60 0.20				
MAXIMUM MAGNITUDE	: 5.80 6.00 6.50				
WEIGHTS	: 0.20 0.60 0.20				
GROSS ZONE 9	SUB-ZONE COORDINATE DATA	-87.50	13.23	-86.87	13.00
GROSS ZONE 9	SUB-ZONE COORDINATE DATA	-86.40	14.80	-85.50	14.00
GROSS ZONE 9	SUB-ZONE COORDINATE DATA	-85.35	15.45	-84.00	15.40
MAGNITUDE THRESHOLD: 4.30					
ACTIVITY RATE/YR	: 0.2163 0.4325 0.8650				
WEIGHTS	: 0.20 0.60 0.20				
B VALUE	: 0.78 0.88 0.98				
WEIGHTS	: 0.20 0.60 0.20				
SOURCE DEPTH	: 5.00 15.00 29.00				
WEIGHTS	: 0.20 0.60 0.20				
MAXIMUM MAGNITUDE	: 6.50 7.00 7.20				
WEIGHTS	: 0.20 0.60 0.20				
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-84.00	11.00	-83.50	10.60
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-84.75	11.50	-83.35	11.00
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-85.00	11.70	-83.20	11.50
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-85.62	12.15	-83.00	12.00
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-86.00	12.41	-82.90	12.50
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-86.25	12.60	-82.85	13.00
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-86.87	13.00	-82.75	13.50
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-85.50	14.00	-82.66	14.00
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-84.00	15.40	-82.55	14.75
MAGNITUDE THRESHOLD: 4.30					
ACTIVITY RATE/YR	: 0.2355 0.4710 0.9420				
WEIGHTS	: 0.20 0.60 0.20				
B VALUE	: 0.69 0.79 0.89				
WEIGHTS	: 0.20 0.60 0.20				
SOURCE DEPTH	: 5.00 15.00 29.00				
WEIGHTS	: 0.20 0.60 0.20				
MAXIMUM MAGNITUDE	: 6.00 6.50 7.00				
WEIGHTS	: 0.10 0.60 0.30				
GROSS ZONE 11	SUB-ZONE COORDINATE DATA	-87.00	10.20	-86.25	10.80
GROSS ZONE 11	SUB-ZONE COORDINATE DATA	-88.50	11.75	-87.78	12.10
GROSS ZONE 11	SUB-ZONE COORDINATE DATA	-89.48	12.00	-89.10	12.80
MAGNITUDE THRESHOLD: 4.50					
ACTIVITY RATE/YR	: 4.3548 8.7096 17.4192				
WEIGHTS	: 0.30 0.60 0.10				
B VALUE	: 1.00 1.12 1.15				
WEIGHTS	: 0.20 0.60 0.20				
SOURCE DEPTH	: 30.00 50.00 110.00				
WEIGHTS	: 0.20 0.60 0.20				
MAXIMUM MAGNITUDE	: 6.80 7.00 7.30				
WEIGHTS	: 0.20 0.60 0.20				

GROSS ZONE 12	SUB-ZONE	COORDINATE DATA	-86.25	10.80	-85.30	11.40
GROSS ZONE 12	SUB-ZONE	COORDINATE DATA	-87.78	12.10	-87.00	12.90
GROSS ZONE 12	SUB-ZONE	COORDINATE DATA	-89.10	12.80	-88.50	13.50
MAGNITUDE THRESHOLD: 4.50						
ACTIVITY RATE/YR	:	15.0000 16.7880 18.0000				
WEIGHTS	:	0.30 0.60 0.10				
B VALUE	:	0.87 0.97 1.07				
WEIGHTS	:	0.20 0.60 0.20				
SOURCE DEPTH	:	30.00 50.00 110.00				
WEIGHTS	:	0.20 0.60 0.20				
MAXIMUM MAGNITUDE	:	7.00 7.50 7.70				
WEIGHTS	:	0.20 0.60 0.20				

GROSS ZONE 13	SUB-ZONE	COORDINATE DATA	-85.00	10.10	-84.50	10.80
GROSS ZONE 13	SUB-ZONE	COORDINATE DATA	-86.00	11.27	-85.60	12.00
GROSS ZONE 13	SUB-ZONE	COORDINATE DATA	-88.10	13.25	-87.50	13.50
MAGNITUDE THRESHOLD: 4.50						
ACTIVITY RATE/YR	:	1.5452 3.0903 6.1806				
WEIGHTS	:	0.20 0.60 0.20				
B VALUE	:	0.84 0.94 1.00				
WEIGHTS	:	0.20 0.60 0.20				
SOURCE DEPTH	:	111.00 150.00 220.00				
WEIGHTS	:	0.20 0.60 0.20				
MAXIMUM MAGNITUDE	:	6.80 7.00 7.30				
WEIGHTS	:	0.20 0.60 0.20				

GROSS ZONE 1	SUB-ZONE	1 EXACT AREA	13806.1
GROSS ZONE 1	SUB-ZONE	2 EXACT AREA	6585.1
GROSS ZONE 1		TOTAL AREA	20391.2

GROSS ZONE 2	SUB-ZONE	1 EXACT AREA	11307.7
GROSS ZONE 2	SUB-ZONE	2 EXACT AREA	10109.3
GROSS ZONE 2		TOTAL AREA	21417.0

GROSS ZONE 3	SUB-ZONE	1 EXACT AREA	3216.0
GROSS ZONE 3	SUB-ZONE	2 EXACT AREA	8517.4
GROSS ZONE 3	SUB-ZONE	3 EXACT AREA	7673.3
GROSS ZONE 3		TOTAL AREA	19406.6

GROSS ZONE 4	SUB-ZONE	1 EXACT AREA	1627.7
GROSS ZONE 4	SUB-ZONE	2 EXACT AREA	3858.4
GROSS ZONE 4	SUB-ZONE	3 EXACT AREA	2627.4
GROSS ZONE 4	SUB-ZONE	4 EXACT AREA	2717.6
GROSS ZONE 4	SUB-ZONE	5 EXACT AREA	3799.7
GROSS ZONE 4	SUB-ZONE	6 EXACT AREA	2809.7
GROSS ZONE 4	SUB-ZONE	7 EXACT AREA	811.4
GROSS ZONE 4		TOTAL AREA	18251.9

GROSS ZONE 5	SUB-ZONE	1 EXACT AREA	1809.3
GROSS ZONE 5	SUB-ZONE	2 EXACT AREA	1231.6
GROSS ZONE 5	SUB-ZONE	3 EXACT AREA	695.1
GROSS ZONE 5		TOTAL AREA	3736.1

GROSS ZONE 6	SUB-ZONE	1 EXACT AREA	601.9
GROSS ZONE 6	SUB-ZONE	2 EXACT AREA	769.6
GROSS ZONE 6		TOTAL AREA	1371.5

GROSS ZONE 7	SUB-ZONE	1 EXACT AREA	1404.8
GROSS ZONE 7	SUB-ZONE	2 EXACT AREA	1486.6
GROSS ZONE 7		TOTAL AREA	2891.4

GROSS ZONE 8	SUB-ZONE	1 EXACT AREA	4844.2
GROSS ZONE 8	SUB-ZONE	2 EXACT AREA	3209.3
GROSS ZONE 8	SUB-ZONE	3 EXACT AREA	2066.1
GROSS ZONE 8	SUB-ZONE	4 EXACT AREA	4136.4

GROSS ZONE	8	SUB-ZONE	5	EXACT AREA	1341.9
GROSS ZONE	8	SUB-ZONE	6	EXACT AREA	566.2
GROSS ZONE	8	SUB-ZONE	7	EXACT AREA	2360.4
GROSS ZONE	8	SUB-ZONE	8	EXACT AREA	1667.6
GROSS ZONE	8	SUB-ZONE	9	EXACT AREA	556.5
GROSS ZONE	8			TOTAL AREA	20748.5
GROSS ZONE	9	SUB-ZONE	1	EXACT AREA	19607.6
GROSS ZONE	9	SUB-ZONE	2	EXACT AREA	20527.4
GROSS ZONE	9			TOTAL AREA	40135.1
GROSS ZONE	10	SUB-ZONE	1	EXACT AREA	3542.3
GROSS ZONE	10	SUB-ZONE	2	EXACT AREA	6570.0
GROSS ZONE	10	SUB-ZONE	3	EXACT AREA	12268.0
GROSS ZONE	10	SUB-ZONE	4	EXACT AREA	13110.9
GROSS ZONE	10	SUB-ZONE	5	EXACT AREA	13875.7
GROSS ZONE	10	SUB-ZONE	6	EXACT AREA	21908.1
GROSS ZONE	10	SUB-ZONE	7	EXACT AREA	29398.5
GROSS ZONE	10	SUB-ZONE	8	EXACT AREA	31093.9
GROSS ZONE	10			TOTAL AREA	131767.4
GROSS ZONE	11	SUB-ZONE	1	EXACT AREA	21399.4
GROSS ZONE	11	SUB-ZONE	2	EXACT AREA	11172.0
GROSS ZONE	11			TOTAL AREA	32571.4
GROSS ZONE	12	SUB-ZONE	1	EXACT AREA	28356.9
GROSS ZONE	12	SUB-ZONE	2	EXACT AREA	18238.5
GROSS ZONE	12			TOTAL AREA	46595.5
GROSS ZONE	13	SUB-ZONE	1	EXACT AREA	15550.0
GROSS ZONE	13	SUB-ZONE	2	EXACT AREA	22404.6
GROSS ZONE	13			TOTAL AREA	37954.6

***** RESULTS OF HAZARD ANALYSIS *****

RESULTS FOR SITE LOCATION -86.251 12.140

GROUND MOTION:		0.1500	0.3000	0.6000	0.9000	1.2000	1.8000	2.4000
ZONE	1	E(NO/YR):	0.455E+00	0.504E-01	0.316E-02	0.494E-03	0.120E-03	0.141E-04
ZONE	2	E(NO/YR):	0.222E+01	0.492E+00	0.590E-01	0.133E-01	0.419E-02	0.713E-03
ZONE	3	E(NO/YR):	0.247E+01	0.508E+00	0.564E-01	0.122E-01	0.370E-02	0.600E-03
ZONE	4	E(NO/YR):	0.940E+00	0.369E+00	0.792E-01	0.241E-01	0.913E-02	0.195E-02
ZONE	5	E(NO/YR):	0.110E+00	0.458E-01	0.113E-01	0.371E-02	0.147E-02	0.333E-03
ZONE	6	E(NO/YR):	0.145E+00	0.123E+00	0.701E-01	0.383E-01	0.216E-01	0.791E-02
ZONE	7	E(NO/YR):	0.938E-01	0.338E-01	0.665E-02	0.192E-02	0.699E-03	0.141E-03
ZONE	8	E(NO/YR):	0.355E+00	0.138E+00	0.322E-01	0.103E-01	0.406E-02	0.906E-03
ZONE	9	E(NO/YR):	0.563E-01	0.948E-02	0.903E-03	0.177E-03	0.499E-04	0.712E-05
ZONE	10	E(NO/YR):	0.802E-01	0.200E-01	0.297E-02	0.759E-03	0.258E-03	0.482E-04
ZONE	11	E(NO/YR):	0.158E+01	0.275E+00	0.251E-01	0.472E-02	0.128E-02	0.174E-03
ZONE	12	E(NO/YR):	0.686E+01	0.230E+01	0.430E+00	0.125E+00	0.467E-01	0.101E-01
ZONE	13	E(NO/YR):	0.780E+00	0.156E+00	0.167E-01	0.347E-02	0.101E-02	0.151E-03
HAZARD:	EXPECTED :	0.100E+01	0.989E+00	0.548E+00	0.212E+00	0.900E-01	0.228E-01	0.782E-0
	0.10 CONFIDENCE :	0.100E+01	0.970E+00	0.408E+00	0.131E+00	0.503E-01	0.113E-01	0.351E-0
	0.20 CONFIDENCE :	0.100E+01	0.978E+00	0.449E+00	0.152E+00	0.599E-01	0.138E-01	0.442E-0
	0.30 CONFIDENCE :	0.100E+01	0.982E+00	0.480E+00	0.169E+00	0.678E-01	0.160E-01	0.521E-0
	0.40 CONFIDENCE :	0.100E+01	0.986E+00	0.507E+00	0.184E+00	0.754E-01	0.182E-01	0.599E-0
	0.50 CONFIDENCE :	0.100E+01	0.988E+00	0.533E+00	0.200E+00	0.832E-01	0.204E-01	0.683E-0
	0.60 CONFIDENCE :	0.100E+01	0.990E+00	0.559E+00	0.217E+00	0.917E-01	0.230E-01	0.779E-0
	0.70 CONFIDENCE :	0.100E+01	0.992E+00	0.588E+00	0.237E+00	0.102E+00	0.260E-01	0.896E-0

0.80	CONFIDENCE :	0.100E+01	0.994E+00	0.622E+00	0.261E+00	0.115E+00	0.301E-01	0.106E-0
0.1587	CONFIDENCE :	0.100E+01	0.975E+00	0.434E+00	0.144E+00	0.563E-01	0.129E-01	0.407E-0
0.8413	CONFIDENCE :	0.100E+01	0.995E+00	0.639E+00	0.274E+00	0.122E+00	0.324E-01	0.115E-0

SELECTED	HAZARD	LEVELS:	0.10000	0.04000	0.02000	0.01000	0.00
GROUND MOTION:		EXPECTED:	1.158240	1.524273	1.863890	2.246106	3.366
	0.10	CONFIDENCE:	0.976528	1.276937	1.540883	1.853990	2.719
	0.20	CONFIDENCE:	1.024331	1.341738	1.625533	1.953530	2.874
	0.30	CONFIDENCE:	1.061577	1.391853	1.691335	2.030867	2.996
	0.40	CONFIDENCE:	1.095786	1.437552	1.751596	2.101633	3.109
	0.50	CONFIDENCE:	1.129742	1.482573	1.810185	2.171553	3.221
	0.60	CONFIDENCE:	1.165937	1.530158	1.867530	2.245650	3.341
	0.70	CONFIDENCE:	1.206589	1.584343	1.932791	2.330236	3.479
	0.80	CONFIDENCE:	1.251793	1.651973	2.014147	2.433187	3.649
-1.0 SIGMA AT	0.159	CONFIDENCE:	1.006672	1.317859	1.594283	1.916787	2.817
1.0 SIGMA AT	0.841	CONFIDENCE:	1.275556	1.687766	2.057141	2.484883	3.735

***** END OF PRISK COMPUTATION *****

SALIDA DEL PROGRAMA NPRISK

A CONTINUACIÓN SE PRESENTA UN LISTADO CON LA DESCRIPCIÓN DE LAS ZONAS Y SUBZONAS DE LAS FUENTES SISMOGENERADORAS, PARÁMETROS DE LA ECUACIÓN DE ATENUACIÓN PARA SUELO Y LOS VALORES CORRESPONDIENTES DE LA ACCELERACIÓN MÁXIMA DEL SUELO PARA PERÍODOS DE RETORNO DE 10, 25, 50, 100 y 500 AÑOS.

***** Version 1.0 of NPRISK *****
Module created in February, 1994 at NORSAR

PRISK SEISMIC HAZARD ANALYSIS: Managua site HAZARD PGA (soil, Atenuat. Relation of

DISCRETIZATION	PARAMETERS:	25	1.00	0.05				
STATISTICAL CONFIDENCE LEVELS:		0.10	0.20	0.30	0.40	0.50	0.60	0.70
STANDARD DEVIATIONS COMPUTED:		-1.28	-0.84	-0.52	-0.25	0.00	0.25	0.52
GROUND MOTION VALUES EXAMINED:		0.15	0.30	0.60	0.90	1.20	1.80	2.40
EXCEEDANCE PROBABILITY VALUES:		0.1000	0.0400	0.0200	0.0100	0.0020	0.0	

***** REGIONAL SEISMIC PARAMETERS *****

ZONE	ATTENUATION:	C1	C2	C3	C4	C5	C6	SIG	WEIGH'
		-1.408	0.553	-0.537	-0.003	0.000	0.000	0.500	0.300
		-1.408	0.553	-0.537	-0.003	0.000	0.000	0.600	0.400
		-1.408	0.553	-0.537	-0.003	0.000	0.000	0.700	0.300

***** SEISMIC SOURCE CHARACTERISTICS *****

GROSS ZONE 1	SUB-ZONE	COORDINATE DATA	-88.50	11.50	-87.65	12.50
GROSS ZONE 1	SUB-ZONE	COORDINATE DATA	-89.45	11.90	-88.25	12.85
GROSS ZONE 1	SUB-ZONE	COORDINATE DATA	-89.25	12.50	-88.90	13.18
MAGNITUDE THRESHOLD:		4.30				
ACTIVITY RATE/YR :	2.9510	5.9020	11.8040			
WEIGHTS :	0.20	0.60	0.20			
B VALUE :	1.13	1.23	1.28			
WEIGHTS :	0.20	0.60	0.20			
SOURCE DEPTH :	5.00	20.00	29.00			
WEIGHTS :	0.20	0.60	0.20			
MAXIMUM MAGNITUDE :	7.30	7.50	7.80			
WEIGHTS :	0.10	0.70	0.20			
GROSS ZONE 2	SUB-ZONE	COORDINATE DATA	-87.50	10.65	-86.62	11.60
GROSS ZONE 2	SUB-ZONE	COORDINATE DATA	-88.00	11.10	-87.15	12.13
GROSS ZONE 2	SUB-ZONE	COORDINATE DATA	-88.50	11.50	-87.65	12.50
MAGNITUDE THRESHOLD:		4.30				
ACTIVITY RATE/YR :	3.5561	7.1121	14.2242			
WEIGHTS :	0.20	0.60	0.20			
B VALUE :	1.00	1.06	1.10			
WEIGHTS :	0.20	0.60	0.20			
SOURCE DEPTH :	5.00	15.00	29.00			
WEIGHTS :	0.10	0.70	0.20			
MAXIMUM MAGNITUDE :	7.30	7.50	7.80			
WEIGHTS :	0.20	0.60	0.20			
GROSS ZONE 3	SUB-ZONE	COORDINATE DATA	-86.25	10.02	-85.43	10.88
GROSS ZONE 3	SUB-ZONE	COORDINATE DATA	-86.50	10.13	-85.56	11.00
GROSS ZONE 3	SUB-ZONE	COORDINATE DATA	-87.00	10.39	-86.28	11.20
GROSS ZONE 3	SUB-ZONE	COORDINATE DATA	-87.50	10.65	-86.62	11.60
MAGNITUDE THRESHOLD:		4.30				

ACTIVITY RATE/YR	:	4.1450	8.2985	16.5800
WEIGHTS	:	0.20	0.60	0.20
B VALUE	:	1.00	1.07	1.10
WEIGHTS	:	0.20	0.60	0.20
SOURCE DEPTH	:	5.00	20.00	29.00
WEIGHTS	:	0.20	0.60	0.20
MAXIMUM MAGNITUDE	:	7.30	7.50	7.70
WEIGHTS	:	0.30	0.60	0.10

GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-85.43	10.88	-85.00	11.00
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-85.56	11.00	-85.60	11.36
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-86.28	11.20	-86.10	11.81
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-86.62	11.60	-86.39	11.99
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-87.15	12.13	-86.40	12.15
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-87.65	12.50	-87.00	12.59
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-88.25	12.85	-87.50	12.84
GROSS ZONE	4	SUB-ZONE	COORDINATE DATA	-88.00	13.00	-87.85	12.99

MAGNITUDE THRESHOLD:	4.30			
ACTIVITY RATE/YR	:	0.7418	1.4962	2.9924
WEIGHTS	:	0.10	0.70	0.20
B VALUE	:	0.80	0.85	0.90
WEIGHTS	:	0.20	0.60	0.20
SOURCE DEPTH	:	5.00	15.00	29.00
WEIGHTS	:	0.20	0.60	0.20
MAXIMUM MAGNITUDE	:	6.00	6.30	6.60
WEIGHTS	:	0.10	0.70	0.20

GROSS ZONE	5	SUB-ZONE	COORDINATE DATA	-86.40	12.15	-86.25	12.32
GROSS ZONE	5	SUB-ZONE	COORDINATE DATA	-87.00	12.59	-86.96	12.75
GROSS ZONE	5	SUB-ZONE	COORDINATE DATA	-87.50	12.84	-87.50	13.05
GROSS ZONE	5	SUB-ZONE	COORDINATE DATA	-87.85	12.99	-87.78	13.12

MAGNITUDE THRESHOLD:	4.30			
ACTIVITY RATE/YR	:	0.0973	0.1945	0.3890
WEIGHTS	:	0.20	0.60	0.20
B VALUE	:	1.17	1.27	1.37
WEIGHTS	:	0.20	0.60	0.20
SOURCE DEPTH	:	3.00	10.00	29.00
WEIGHTS	:	0.20	0.60	0.20
MAXIMUM MAGNITUDE	:	5.80	6.00	6.40
WEIGHTS	:	0.10	0.70	0.20

GROSS ZONE	6	SUB-ZONE	COORDINATE DATA	-86.39	11.99	-86.10	11.81
GROSS ZONE	6	SUB-ZONE	COORDINATE DATA	-86.40	12.15	-86.08	11.97
GROSS ZONE	6	SUB-ZONE	COORDINATE DATA	-86.25	12.32	-86.10	12.28

MAGNITUDE THRESHOLD:	4.30			
ACTIVITY RATE/YR	:	0.0681	0.1361	0.2722
WEIGHTS	:	0.20	0.60	0.20
B VALUE	:	0.40	0.62	0.85
WEIGHTS	:	0.30	0.40	0.30
SOURCE DEPTH	:	0.00	4.00	29.00
WEIGHTS	:	0.20	0.70	0.10
MAXIMUM MAGNITUDE	:	5.80	6.20	6.50
WEIGHTS	:	0.10	0.50	0.40

GROSS ZONE	7	SUB-ZONE	COORDINATE DATA	-85.00	11.00	-84.96	11.20
GROSS ZONE	7	SUB-ZONE	COORDINATE DATA	-85.60	11.36	-85.43	11.47
GROSS ZONE	7	SUB-ZONE	COORDINATE DATA	-86.10	11.81	-86.08	11.97

MAGNITUDE THRESHOLD:	4.30			
ACTIVITY RATE/YR	:	0.0836	0.1671	0.3342
WEIGHTS	:	0.20	0.60	0.20
B VALUE	:	0.69	0.79	0.89
WEIGHTS	:	0.20	0.60	0.20
SOURCE DEPTH	:	3.00	10.00	29.00
WEIGHTS	:	0.20	0.60	0.20
MAXIMUM MAGNITUDE	:	5.80	6.20	6.50
WEIGHTS	:	0.20	0.60	0.20

GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-84.50	10.60	-83.50	10.60
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-85.00	11.00	-84.00	11.00
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-84.96	11.20	-84.75	11.50
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-85.43	11.47	-85.00	11.70
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-86.08	11.97	-85.62	12.15
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-86.10	12.28	-86.00	12.41
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-86.25	12.32	-86.25	12.60
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-86.96	12.75	-86.87	13.00
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-87.50	13.05	-87.50	13.23
GROSS ZONE 8	SUB-ZONE COORDINATE DATA	-87.78	13.12	-87.75	13.28
MAGNITUDE THRESHOLD: 4.30					
ACTIVITY RATE/YR	: 0.4121 0.8241 1.6482				
WEIGHTS	: 0.20 0.60 0.20				
B VALUE	: 0.68 0.78 0.88				
WEIGHTS	: 0.20 0.60 0.20				
SOURCE DEPTH	: 5.00 10.00 29.00				
WEIGHTS	: 0.20 0.60 0.20				
MAXIMUM MAGNITUDE	: 5.80 6.00 6.50				
WEIGHTS	: 0.20 0.60 0.20				
GROSS ZONE 9	SUB-ZONE COORDINATE DATA	-87.50	13.23	-86.87	13.00
GROSS ZONE 9	SUB-ZONE COORDINATE DATA	-86.40	14.80	-85.50	14.00
GROSS ZONE 9	SUB-ZONE COORDINATE DATA	-85.35	15.45	-84.00	15.40
MAGNITUDE THRESHOLD: 4.30					
ACTIVITY RATE/YR	: 0.2163 0.4325 0.8650				
WEIGHTS	: 0.20 0.60 0.20				
B VALUE	: 0.78 0.88 0.98				
WEIGHTS	: 0.20 0.60 0.20				
SOURCE DEPTH	: 5.00 15.00 29.00				
WEIGHTS	: 0.20 0.60 0.20				
MAXIMUM MAGNITUDE	: 6.50 7.00 7.20				
WEIGHTS	: 0.20 0.60 0.20				
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-84.00	11.00	-83.50	10.60
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-84.75	11.50	-83.35	11.00
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-85.00	11.70	-83.20	11.50
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-85.62	12.15	-83.00	12.00
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-86.00	12.41	-82.90	12.50
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-86.25	12.60	-82.85	13.00
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-86.87	13.00	-82.75	13.50
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-85.50	14.00	-82.66	14.00
GROSS ZONE 10	SUB-ZONE COORDINATE DATA	-84.00	15.40	-82.55	14.75
MAGNITUDE THRESHOLD: 4.30					
ACTIVITY RATE/YR	: 0.2355 0.4710 0.9420				
WEIGHTS	: 0.20 0.60 0.20				
B VALUE	: 0.69 0.79 0.89				
WEIGHTS	: 0.20 0.60 0.20				
SOURCE DEPTH	: 5.00 15.00 29.00				
WEIGHTS	: 0.20 0.60 0.20				
MAXIMUM MAGNITUDE	: 6.00 6.50 7.00				
WEIGHTS	: 0.10 0.60 0.30				
GROSS ZONE 11	SUB-ZONE COORDINATE DATA	-87.00	10.20	-86.25	10.80
GROSS ZONE 11	SUB-ZONE COORDINATE DATA	-88.50	11.75	-87.78	12.10
GROSS ZONE 11	SUB-ZONE COORDINATE DATA	-89.48	12.00	-89.10	12.80
MAGNITUDE THRESHOLD: 4.50					
ACTIVITY RATE/YR	: 4.3548 8.7096 17.4192				
WEIGHTS	: 0.30 0.60 0.10				
B VALUE	: 1.00 1.12 1.15				
WEIGHTS	: 0.20 0.60 0.20				
SOURCE DEPTH	: 30.00 50.00 110.00				
WEIGHTS	: 0.20 0.60 0.20				
MAXIMUM MAGNITUDE	: 6.80 7.00 7.30				
WEIGHTS	: 0.20 0.60 0.20				

GROSS ZONE 12	SUB-ZONE	COORDINATE DATA	-86.25	10.80	-85.30	11.40
GROSS ZONE 12	SUB-ZONE	COORDINATE DATA	-87.78	12.10	-87.00	12.90
GROSS ZONE 12	SUB-ZONE	COORDINATE DATA	-89.10	12.80	-88.50	13.50
MAGNITUDE THRESHOLD:		4.50				
ACTIVITY RATE/YR	:	15.0000	16.7880	18.0000		
WEIGHTS	:	0.30	0.60	0.10		
B VALUE	:	0.87	0.97	1.07		
WEIGHTS	:	0.20	0.60	0.20		
SOURCE DEPTH	:	30.00	50.00	110.00		
WEIGHTS	:	0.20	0.60	0.20		
MAXIMUM MAGNITUDE	:	7.00	7.50	7.70		
WEIGHTS	:	0.20	0.60	0.20		
GROSS ZONE 13	SUB-ZONE	COORDINATE DATA	-85.00	10.10	-84.50	10.80
GROSS ZONE 13	SUB-ZONE	COORDINATE DATA	-86.00	11.27	-85.60	12.00
GROSS ZONE 13	SUB-ZONE	COORDINATE DATA	-88.10	13.25	-87.50	13.50
MAGNITUDE THRESHOLD:		4.50				
ACTIVITY RATE/YR	:	1.5452	3.0903	6.1806		
WEIGHTS	:	0.20	0.60	0.20		
B VALUE	:	0.84	0.94	1.00		
WEIGHTS	:	0.20	0.60	0.20		
SOURCE DEPTH	:	111.00	150.00	220.00		
WEIGHTS	:	0.20	0.60	0.20		
MAXIMUM MAGNITUDE	:	6.80	7.00	7.30		
WEIGHTS	:	0.20	0.60	0.20		
GROSS ZONE 1	SUB-ZONE 1	EXACT AREA	13806.1			
GROSS ZONE 1	SUB-ZONE 2	EXACT AREA	6585.1			
GROSS ZONE 1		TOTAL AREA	20391.2			
GROSS ZONE 2	SUB-ZONE 1	EXACT AREA	11307.7			
GROSS ZONE 2	SUB-ZONE 2	EXACT AREA	10109.3			
GROSS ZONE 2		TOTAL AREA	21417.0			
GROSS ZONE 3	SUB-ZONE 1	EXACT AREA	3216.0			
GROSS ZONE 3	SUB-ZONE 2	EXACT AREA	8517.4			
GROSS ZONE 3	SUB-ZONE 3	EXACT AREA	7673.3			
GROSS ZONE 3		TOTAL AREA	19406.6			
GROSS ZONE 4	SUB-ZONE 1	EXACT AREA	1627.7			
GROSS ZONE 4	SUB-ZONE 2	EXACT AREA	3858.4			
GROSS ZONE 4	SUB-ZONE 3	EXACT AREA	2627.4			
GROSS ZONE 4	SUB-ZONE 4	EXACT AREA	2717.6			
GROSS ZONE 4	SUB-ZONE 5	EXACT AREA	3799.7			
GROSS ZONE 4	SUB-ZONE 6	EXACT AREA	2809.7			
GROSS ZONE 4	SUB-ZONE 7	EXACT AREA	811.4			
GROSS ZONE 4		TOTAL AREA	18251.9			
GROSS ZONE 5	SUB-ZONE 1	EXACT AREA	1809.3			
GROSS ZONE 5	SUB-ZONE 2	EXACT AREA	1231.6			
GROSS ZONE 5	SUB-ZONE 3	EXACT AREA	695.1			
GROSS ZONE 5		TOTAL AREA	3736.1			
GROSS ZONE 6	SUB-ZONE 1	EXACT AREA	601.9			
GROSS ZONE 6	SUB-ZONE 2	EXACT AREA	769.6			
GROSS ZONE 6		TOTAL AREA	1371.5			
GROSS ZONE 7	SUB-ZONE 1	EXACT AREA	1404.8			
GROSS ZONE 7	SUB-ZONE 2	EXACT AREA	1486.6			
GROSS ZONE 7		TOTAL AREA	2891.4			
GROSS ZONE 8	SUB-ZONE 1	EXACT AREA	4844.2			
GROSS ZONE 8	SUB-ZONE 2	EXACT AREA	3209.3			
GROSS ZONE 8	SUB-ZONE 3	EXACT AREA	2066.1			
GROSS ZONE 8	SUB-ZONE 4	EXACT AREA	4136.4			

GROSS ZONE	8	SUB-ZONE	5 EXACT AREA	1341.9
GROSS ZONE	8	SUB-ZONE	6 EXACT AREA	566.2
GROSS ZONE	8	SUB-ZONE	7 EXACT AREA	2360.4
GROSS ZONE	8	SUB-ZONE	8 EXACT AREA	1667.6
GROSS ZONE	8	SUB-ZONE	9 EXACT AREA	556.5
GROSS ZONE	8		TOTAL AREA	20748.5
GROSS ZONE	9	SUB-ZONE	1 EXACT AREA	19607.6
GROSS ZONE	9	SUB-ZONE	2 EXACT AREA	20527.4
GROSS ZONE	9		TOTAL AREA	40135.1
GROSS ZONE	10	SUB-ZONE	1 EXACT AREA	3542.3
GROSS ZONE	10	SUB-ZONE	2 EXACT AREA	6570.0
GROSS ZONE	10	SUB-ZONE	3 EXACT AREA	12268.0
GROSS ZONE	10	SUB-ZONE	4 EXACT AREA	13110.9
GROSS ZONE	10	SUB-ZONE	5 EXACT AREA	13875.7
GROSS ZONE	10	SUB-ZONE	6 EXACT AREA	21908.1
GROSS ZONE	10	SUB-ZONE	7 EXACT AREA	29398.5
GROSS ZONE	10	SUB-ZONE	8 EXACT AREA	31093.9
GROSS ZONE	10		TOTAL AREA	131767.4
GROSS ZONE	11	SUB-ZONE	1 EXACT AREA	21399.4
GROSS ZONE	11	SUB-ZONE	2 EXACT AREA	11172.0
GROSS ZONE	11		TOTAL AREA	32571.4
GROSS ZONE	12	SUB-ZONE	1 EXACT AREA	28356.9
GROSS ZONE	12	SUB-ZONE	2 EXACT AREA	18238.5
GROSS ZONE	12		TOTAL AREA	46595.5
GROSS ZONE	13	SUB-ZONE	1 EXACT AREA	15550.0
GROSS ZONE	13	SUB-ZONE	2 EXACT AREA	22404.6
GROSS ZONE	13		TOTAL AREA	37954.6

***** RESULTS OF HAZARD ANALYSIS *****

RESULTS FOR SITE LOCATION -86.251 12.140

	GROUND MOTION:	0.1500	0.3000	0.6000	0.9000	1.2000	1.8000	2.4000
ZONE 1	E(NO/YR) :	0.917E+00	0.132E+00	0.103E-01	0.180E-02	0.474E-03	0.625E-04	0.135E-0
ZONE 2	E(NO/YR) :	0.338E+01	0.975E+00	0.148E+00	0.378E-01	0.129E-01	0.245E-02	0.685E-0
ZONE 3	E(NO/YR) :	0.383E+01	0.104E+01	0.146E+00	0.356E-01	0.118E-01	0.214E-02	0.576E-0
ZONE 4	E(NO/YR) :	0.118E+01	0.576E+00	0.159E+00	0.559E-01	0.234E-01	0.576E-02	0.189E-0
ZONE 5	E(NO/YR) :	0.139E+00	0.689E-01	0.213E-01	0.816E-02	0.361E-02	0.948E-03	0.322E-0
ZONE 6	E(NO/YR) :	0.148E+00	0.136E+00	0.937E-01	0.595E-01	0.377E-01	0.162E-01	0.772E-0
ZONE 7	E(NO/YR) :	0.121E+00	0.547E-01	0.138E-01	0.462E-02	0.186E-02	0.434E-03	0.136E-0
ZONE 8	E(NO/YR) :	0.464E+00	0.213E+00	0.621E-01	0.231E-01	0.101E-01	0.260E-02	0.875E-0
ZONE 9	E(NO/YR) :	0.974E-01	0.208E-01	0.248E-02	0.554E-03	0.171E-03	0.277E-04	0.682E-0
ZONE 10	E(NO/YR) :	0.123E+00	0.371E-01	0.682E-02	0.198E-02	0.736E-03	0.156E-03	0.464E-0
ZONE 11	E(NO/YR) :	0.262E+01	0.603E+00	0.707E-01	0.152E-01	0.454E-02	0.702E-03	0.166E-0
ZONE 12	E(NO/YR) :	0.914E+01	0.382E+01	0.905E+00	0.298E+00	0.121E+00	0.295E-01	0.974E-0
ZONE 13	E(NO/YR) :	0.124E+01	0.322E+00	0.441E-01	0.105E-01	0.335E-02	0.570E-03	0.145E-0
HAZARD:	EXPECTED :	0.100E+01	0.100E+01	0.814E+00	0.425E+00	0.207E+00	0.597E-01	0.221E-0
0.10	CONFIDENCE :	0.100E+01	0.999E+00	0.698E+00	0.297E+00	0.128E+00	0.321E-01	0.109E-0
0.20	CONFIDENCE :	0.100E+01	0.999E+00	0.736E+00	0.333E+00	0.148E+00	0.386E-01	0.134E-0
0.30	CONFIDENCE :	0.100E+01	0.999E+00	0.763E+00	0.360E+00	0.165E+00	0.440E-01	0.155E-0
0.40	CONFIDENCE :	0.100E+01	0.100E+01	0.785E+00	0.385E+00	0.180E+00	0.493E-01	0.176E-0
0.50	CONFIDENCE :	0.100E+01	0.100E+01	0.805E+00	0.409E+00	0.195E+00	0.547E-01	0.198E-0
0.60	CONFIDENCE :	0.100E+01	0.100E+01	0.824E+00	0.434E+00	0.212E+00	0.607E-01	0.223E-0
0.70	CONFIDENCE :	0.100E+01	0.100E+01	0.844E+00	0.462E+00	0.231E+00	0.679E-01	0.252E-0

0.80	CONFIDENCE :	0.100E+01	0.100E+01	0.865E+00	0.496E+00	0.255E+00	0.772E-01	0.292E-0
0.1587	CONFIDENCE :	0.100E+01	0.999E+00	0.722E+00	0.320E+00	0.140E+00	0.361E-01	0.124E-0
0.8413	CONFIDENCE :	0.100E+01	0.100E+01	0.875E+00	0.513E+00	0.268E+00	0.824E-01	0.314E-0

SELECTED	HAZARD	LEVELS:	0.10000	0.04000	0.02000	0.01000	0.00
GROUND MOTION:		EXPECTED:	1.521313	2.020830	2.463380	2.959666	4.452
	0.10	CONFIDENCE:	1.289347	1.687313	2.041625	2.450397	3.614
	0.20	CONFIDENCE:	1.350836	1.780528	2.151922	2.579370	3.815
	0.30	CONFIDENCE:	1.398510	1.848048	2.237491	2.679625	3.973
	0.40	CONFIDENCE:	1.442103	1.907800	2.315717	2.771400	4.119
	0.50	CONFIDENCE:	1.485186	1.966585	2.392959	2.862113	4.264
	0.60	CONFIDENCE:	1.530894	2.028625	2.468062	2.958278	4.420
	0.70	CONFIDENCE:	1.583193	2.099146	2.552853	3.068097	4.599
	0.80	CONFIDENCE:	1.648899	2.186969	2.658601	3.205550	4.824
-1.0 SIGMA AT	0.159	CONFIDENCE:	1.328161	1.746013	2.111232	2.531753	3.741
1.0 SIGMA AT	0.841	CONFIDENCE:	1.683889	2.233355	2.714506	3.278433	4.931

***** END OF PRISK COMPUTATION *****