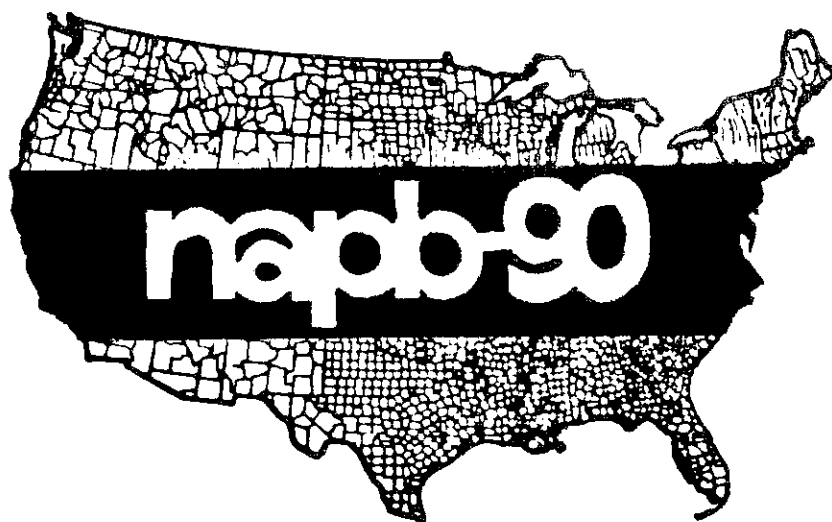


# Nuclear Attack Planning Base-1990 Final Project Report

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## Annex A Direct Effects & Fire Risk Statistics & Maps



## ANNEX A - - DIRECT EFFECTS & FIRE RISK

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This Annex provides two summaries of the Direct Effects and Fire Risks to the U.S. resident population and land area.

### PART 1. POPULATION GRID FILE (PGF) MAPS AND DATA

This part shows actual resident population and land area at risk from direct effects and fire as computed from PGF data. For a discussion of the methodology employed to obtain this data see Part 1, "Project Overview". This data is presented in regional summaries and computer-generated State map plots of PGF points showing blast overpressure and coexistent fire risk envelopes beginning on the pages following.

### PART 2. HIGHEST DIRECT EFFECTS RISK BY COUNTY

This part, which begins on page A-81, shows county resident population and land area under direct effects risk based upon the highest recorded risk level within the county regardless of actual area covered by blast. This summary also includes counties which are "risk free", i.e., counties where blast overpressures were less than 0.5 psi.

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N A T I O N A L   D I R E C T   E F F E C T S   &   F I R E   R I S K   S U M M A R Y

| REGION/DATA         | TOTALS           | HIGH                   |                |                |                | MEDIUM         |            |             |           | LOW       |           | NONE |  |
|---------------------|------------------|------------------------|----------------|----------------|----------------|----------------|------------|-------------|-----------|-----------|-----------|------|--|
|                     |                  | VERY HIGH<br>GT 10 psi | 5 to 10 psi    | 2 to 5 psi     | .5 to 2 psi    | 2 to 5 psi     | 2 to 5 psi | .5 to 2 psi | LT .5 psi | LT .5 psi | LT .5 psi |      |  |
| I Population .....  | 12320207 (1.00)  | 2896912 (.23)          | 1597471 (.13)  | 2539876 (.21)  | 3085258 (.25)  | 2200690 (.18)  |            |             |           |           |           |      |  |
| Land Area .....     | 61682 (1.00)     | 1772 (.03)             | 1751 (.03)     | 4830 (.08)     | 14922 (.24)    | 38407 (.62)    |            |             |           |           |           |      |  |
| II Population ..... | 28524821 (1.00)  | 6216782 (.23)          | 5247384 (.18)  | 7174415 (.25)  | 5002208 (.18)  | 4684032 (.17)  |            |             |           |           |           |      |  |
| Land Area .....     | 58436 (1.00)     | 1931 (.03)             | 2418 (.04)     | 6496 (.11)     | 27594 (.47)    | 27594 (.47)    |            |             |           |           |           |      |  |
| III Population ...  | 25107876 (1.00)  | 5561771 (.22)          | 3826977 (.15)  | 5290161 (.21)  | 5591624 (.23)  | 4837343 (.19)  |            |             |           |           |           |      |  |
| Land Area .....     | 120550 (1.00)    | 4047 (.03)             | 4480 (.04)     | 14176 (.12)    | 41433 (.34)    | 56415 (.47)    |            |             |           |           |           |      |  |
| IV Population ..... | 42442705 (1.00)  | 5767158 (.16)          | 3985872 (.09)  | 6856991 (.16)  | 8190581 (.19)  | 17642103 (.42) |            |             |           |           |           |      |  |
| Land Area .....     | 379046 (1.00)    | 4788 (.01)             | 6069 (.02)     | 21348 (.06)    | 83971 (.22)    | 262888 (.69)   |            |             |           |           |           |      |  |
| V Population .....  | 45687087 (1.00)  | 7118361 (.16)          | 5517272 (.12)  | 9692910 (.21)  | 9307723 (.20)  | 14050821 (.31) |            |             |           |           |           |      |  |
| Land Area .....     | 323545 (1.00)    | 4465 (.01)             | 5512 (.02)     | 18219 (.06)    | 69267 (.21)    | 226082 (.70)   |            |             |           |           |           |      |  |
| VI Population ..... | 28140362 (1.00)  | 4692255 (.17)          | 3674256 (.13)  | 5871072 (.21)  | 5250122 (.19)  | 8652657 (.31)  |            |             |           |           |           |      |  |
| Land Area .....     | 548583 (1.00)    | 4703 (.01)             | 5348 (.01)     | 19637 (.04)    | 80016 (.15)    | 439536 (.80)   |            |             |           |           |           |      |  |
| VII Population ...  | 11925241 (1.00)  | 1818840 (.15)          | 1021635 (.09)  | 1827679 (.15)  | 1931387 (.16)  | 5325700 (.45)  |            |             |           |           |           |      |  |
| Land Area .....     | 282971 (1.00)    | 4671 (.02)             | 4713 (.02)     | 13463 (.05)    | 31919 (.11)    | 227857 (.81)   |            |             |           |           |           |      |  |
| VIII Population ..  | 7709731 (1.00)   | 1746086 (.23)          | 1061814 (.14)  | 1184503 (.15)  | 1143293 (.15)  | 2574035 (.33)  |            |             |           |           |           |      |  |
| Land Area ...       | 573497 (1.00)    | 14118 (.02)            | 14208 (.02)    | 34450 (.06)    | 60495 (.11)    | 450246 (.79)   |            |             |           |           |           |      |  |
| IX Population ..... | 31504342 (1.00)  | 9874143 (.31)          | 5447048 (.17)  | 8475761 (.27)  | 3917593 (.12)  | 3789797 (.09)  |            |             |           |           |           |      |  |
| Land Area .....     | 386970 (1.00)    | 4518 (.01)             | 3883 (.01)     | 13087 (.03)    | 50440 (.13)    | 323363 (.84)   |            |             |           |           |           |      |  |
| X Population .....  | 8634750 (1.00)   | 1553869 (.18)          | 808164 (.09)   | 1390051 (.16)  | 1949326 (.23)  | 933340 (.34)   |            |             |           |           |           |      |  |
| Land Area .....     | 815946 (1.00)    | 364 (xxx)              | 1514 (xxx)     | 5829 (.01)     | 26869 (.03)    | 780370 (.96)   |            |             |           |           |           |      |  |
| TOTAL Population .  | 242109419 (1.00) | 47246177 (.20)         | 32187893 (.13) | 50303419 (.21) | 45369115 (.19) | 66690518 (.27) |            |             |           |           |           |      |  |
| Land Area ..        | 3551226 (1.00)   | 46352 (.01)            | 49896 (.01)    | 151535 (.04)   | 479329 (.13)   | 2832758 (.80)  |            |             |           |           |           |      |  |

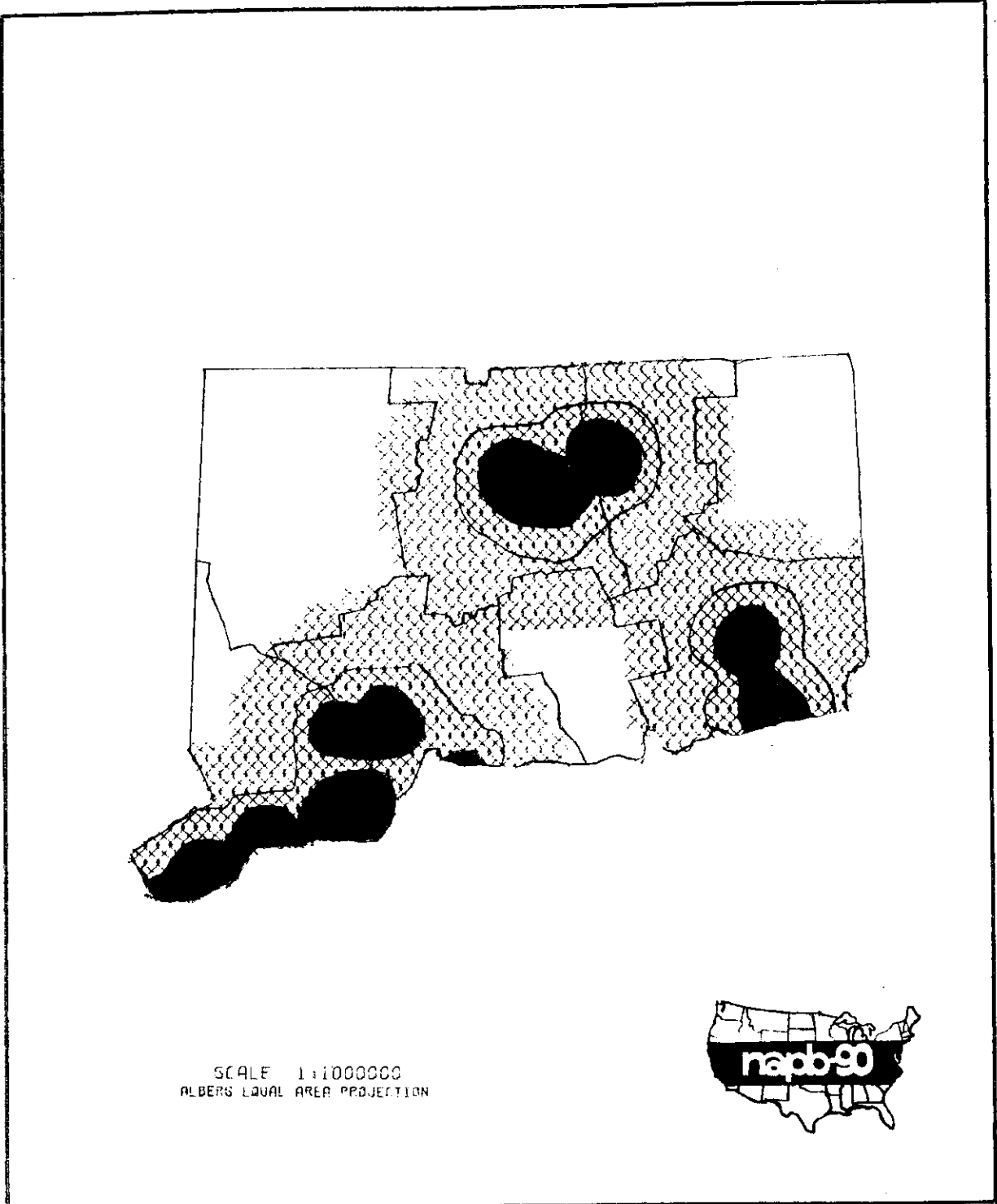
(xxx) Less than 1 percent

F E M A R E G I O N I - - D I R E C T E F F E C T S & F I R E R I S K

| STATE/DATA    | TOTALS   | VERY HIGH<br>GT 10 psi      | HIGH<br>5 to 10 psi         | MEDIUM<br>2 to 5 psi        | LOW<br>.5 to 2 psi           | NONE<br>LT .5 psi            |
|---------------|--|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|
| CONNECTICUT   | Population 3165461 (1.00)<br>Land Area 4872 (1.00)   | 699055 (.22)<br>439 (.09)   | 385023 (.12)<br>434 (.09)   | 1061179 (.33)<br>1259 (.26) | 30981 (.01)<br>2745 (.56)    | 285635 (.09)<br>-5 (N/A)*    |
| MAINE         | Population 1160878 (1.00)<br>Land Area 30995 (1.00)  | 147069 (.13)<br>233 (.01)   | 60895 (.05)<br>307 (.01)    | 123388 (.10)<br>1068 (.03)  | 284644 (.24)<br>4602 (.15)   | 544882 (.47)<br>24785 (.80)  |
| MASSACHUSETTS | Population 5503475 (1.00)<br>Land Area 6497 (1.00)   | 1695805 (.31)<br>799 (.12)  | 919397 (.17)<br>661 (.10)   | 1159268 (.21)<br>1603 (.25) | 1231466 (.22)<br>4332 (.67)  | 497559 (.09)<br>-898 (N/A)*  |
| NEW HAMPSHIRE | Population 990437 (1.00)<br>Land Area 8992 (1.00)    | 123897 (.12)<br>116 (.01)   | 86061 (.09)<br>164 (.02)    | 162657 (.16)<br>392 (.04)   | 203258 (.20)<br>1545 (.17)   | 414564 (.42)<br>6775 (.75)   |
| RHODE ISLAND  | Population 965471 (1.00)<br>Land Area 1054 (1.00)    | 208537 (.21)<br>164 (.16)   | 186688 (.19)<br>164 (.16)   | 362265 (.37)<br>439 (.42)   | 259704 (.20)<br>287 (.27)    | --- (.00)<br>--- (.00)       |
| VERMONT       | Population 534485 (1.00)<br>Land Area 9272 (1.00)    | 22549 (.02)<br>21 (xxx)     | 27407 (.06)<br>21 (xxx)     | 28710 (.06)<br>69 (.01)     | 45007 (.09)<br>545 (.06)     | 410812 (.75)<br>8616 (.93)   |
| REGION I      | Population 12320201 (1.00)<br>Land Area 61682 (1.00) | 2896912 (.23)<br>1772 (.03) | 1597471 (.13)<br>1751 (.03) | 2539876 (.21)<br>4830 (.08) | 3085258 (.25)<br>14922 (.24) | 2200684 (.18)<br>38047 (.62) |

\* [NOTE: Anomaly caused by State resource grid points overlapping the State boundaries.]

(xxx) Less than 1 percent

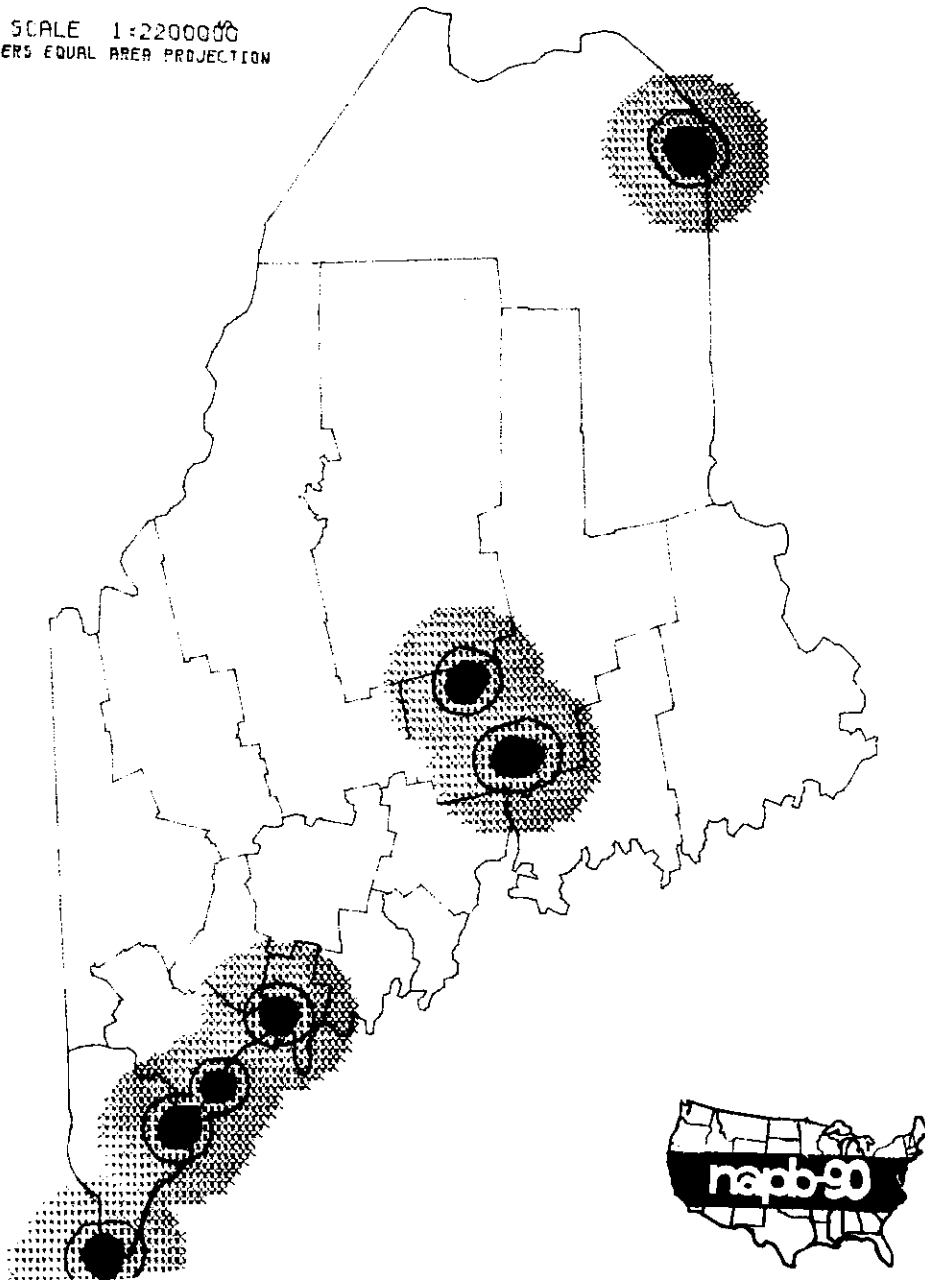


DIRECT EFFECTS RISK AREAS

FEMA REGION I - CONNECTICUT

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi

SCALE 1:220000  
ALBERS EQUAL AREA PROJECTION

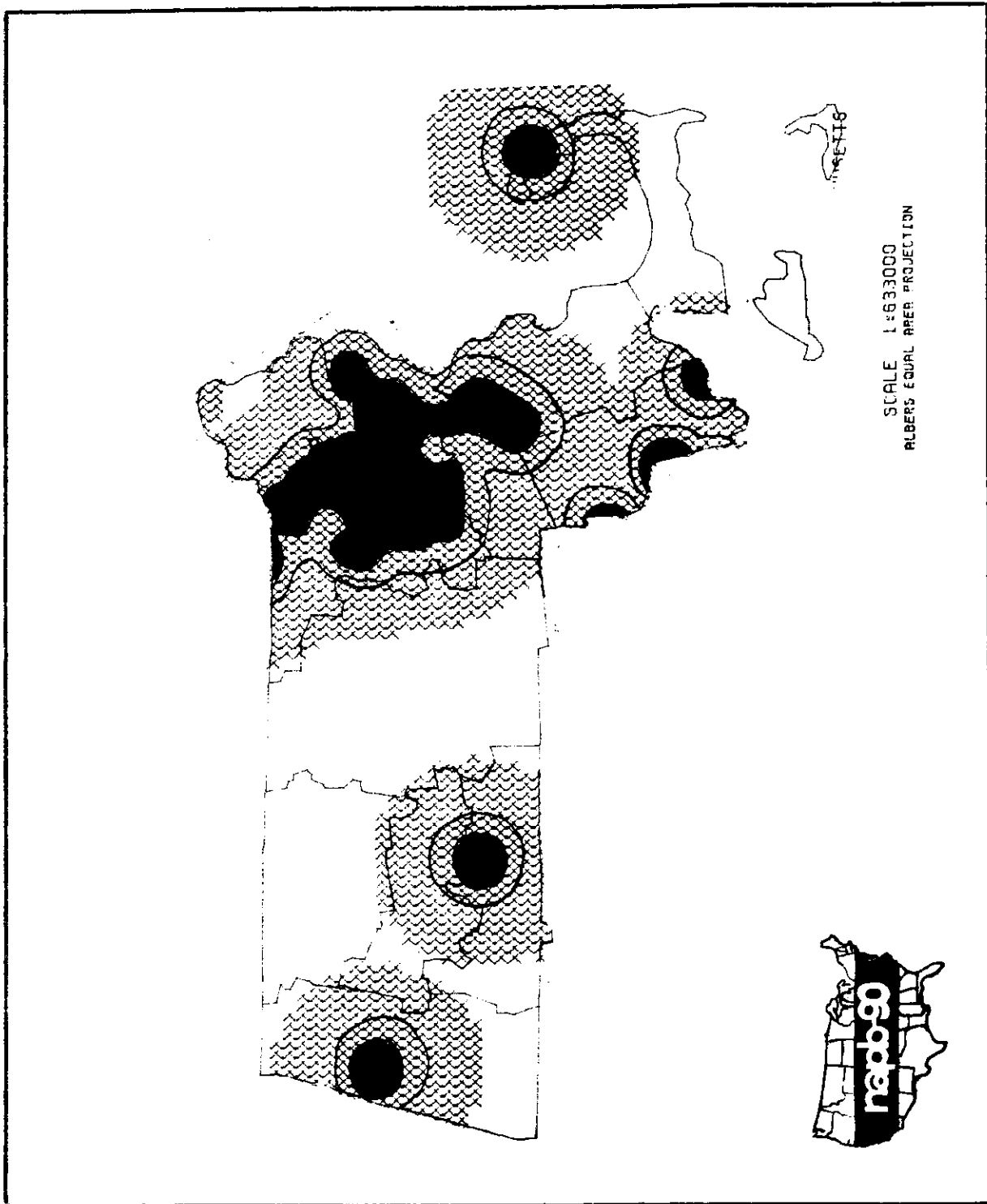


DIRECT EFFECTS RISK AREAS

FEMA REGION I - STATE OF MAINE

Black Area: Equal to or greater than 5.0 psi  
Ringed Area: Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi

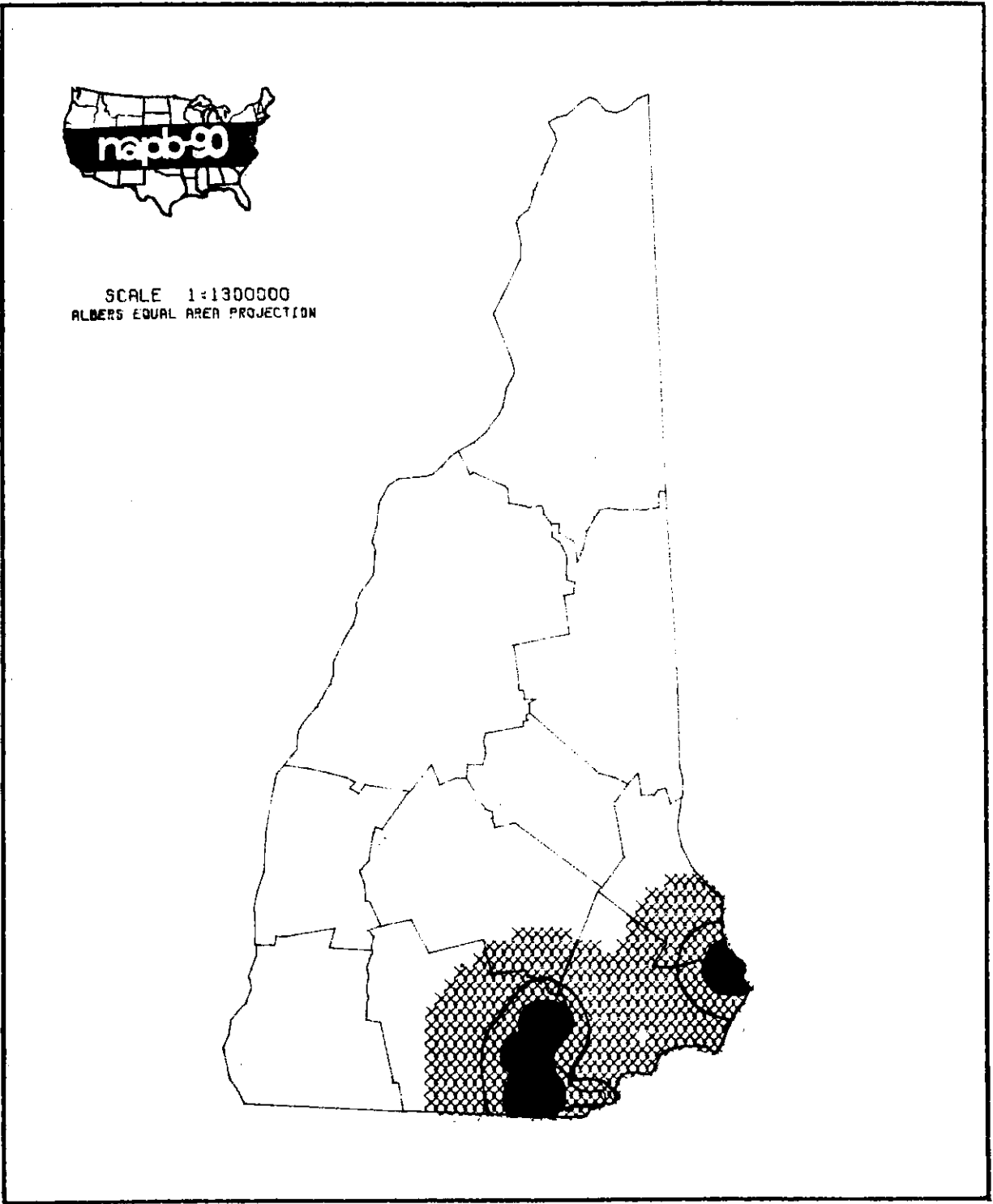




DIRECT EFFECTS RISK AREAS

FEMA REGION I - MASSACHUSETTS

Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi

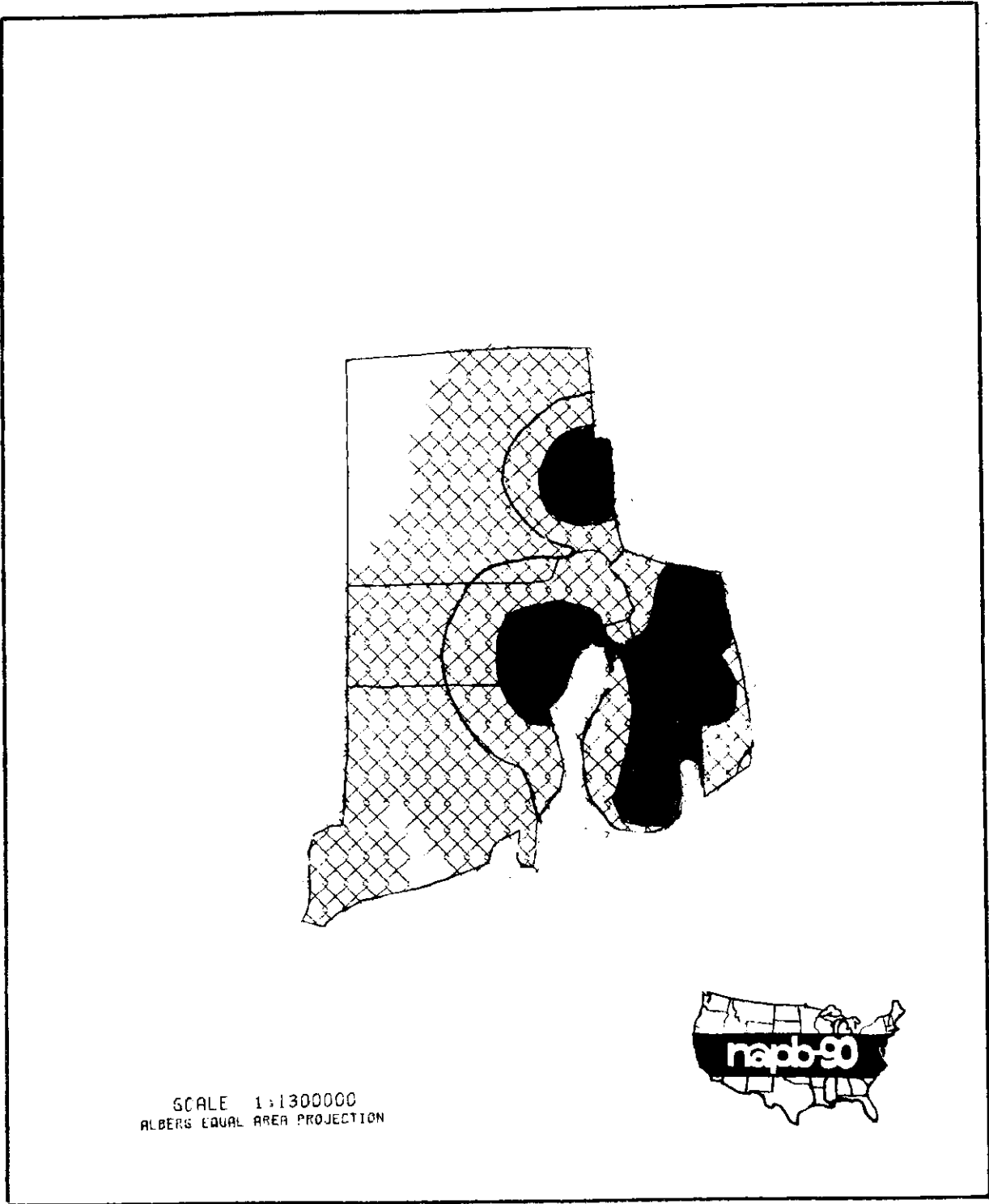


DIRECT EFFECTS RISK AREAS

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FEMA REGION I - STATE OF NEW HAMPSHIRE

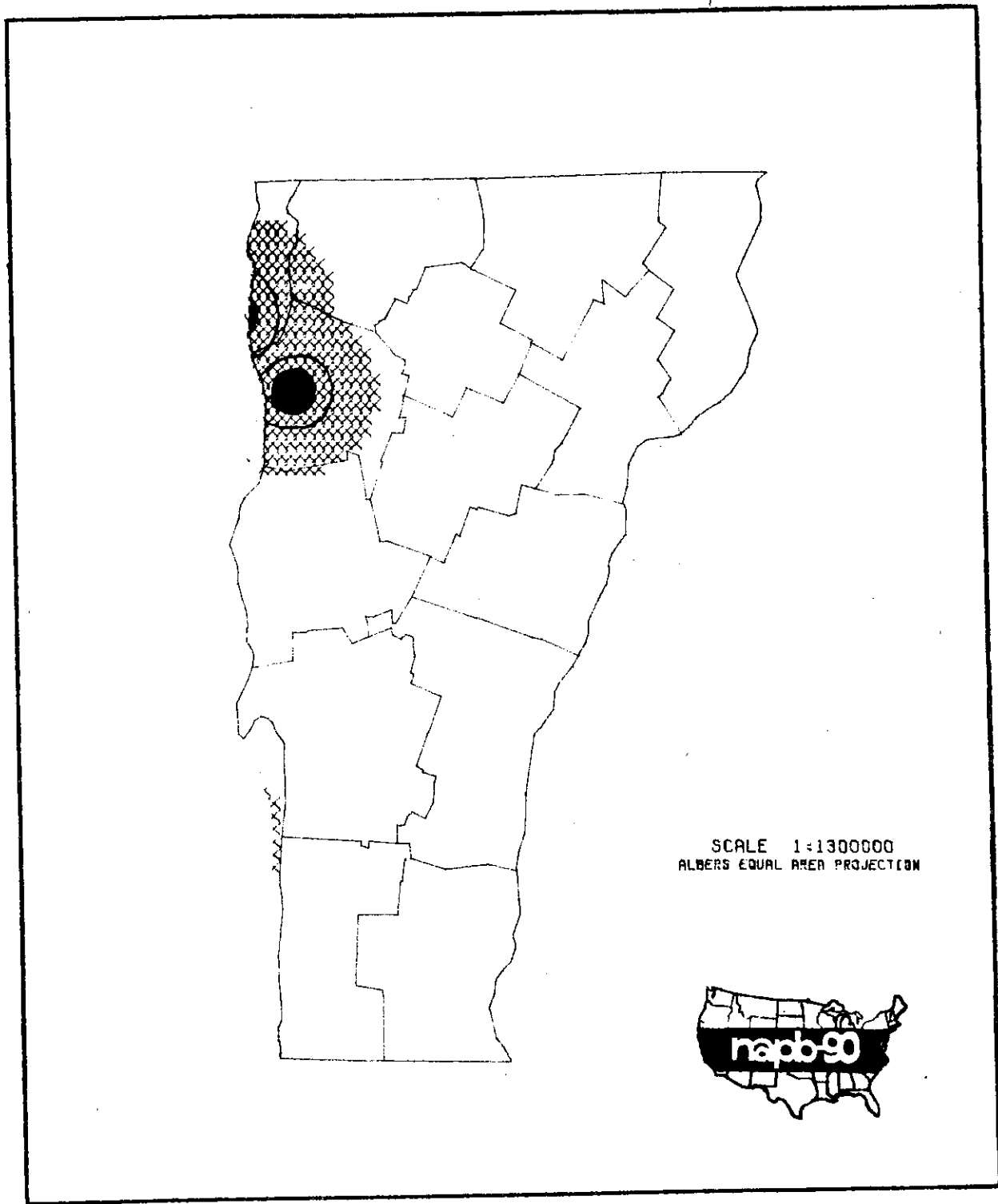
Black Area: Equal to or greater than 5.0 psi  
Ringed Area: Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION I - RHODE ISLAND

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION I - STATE OF VERMONT

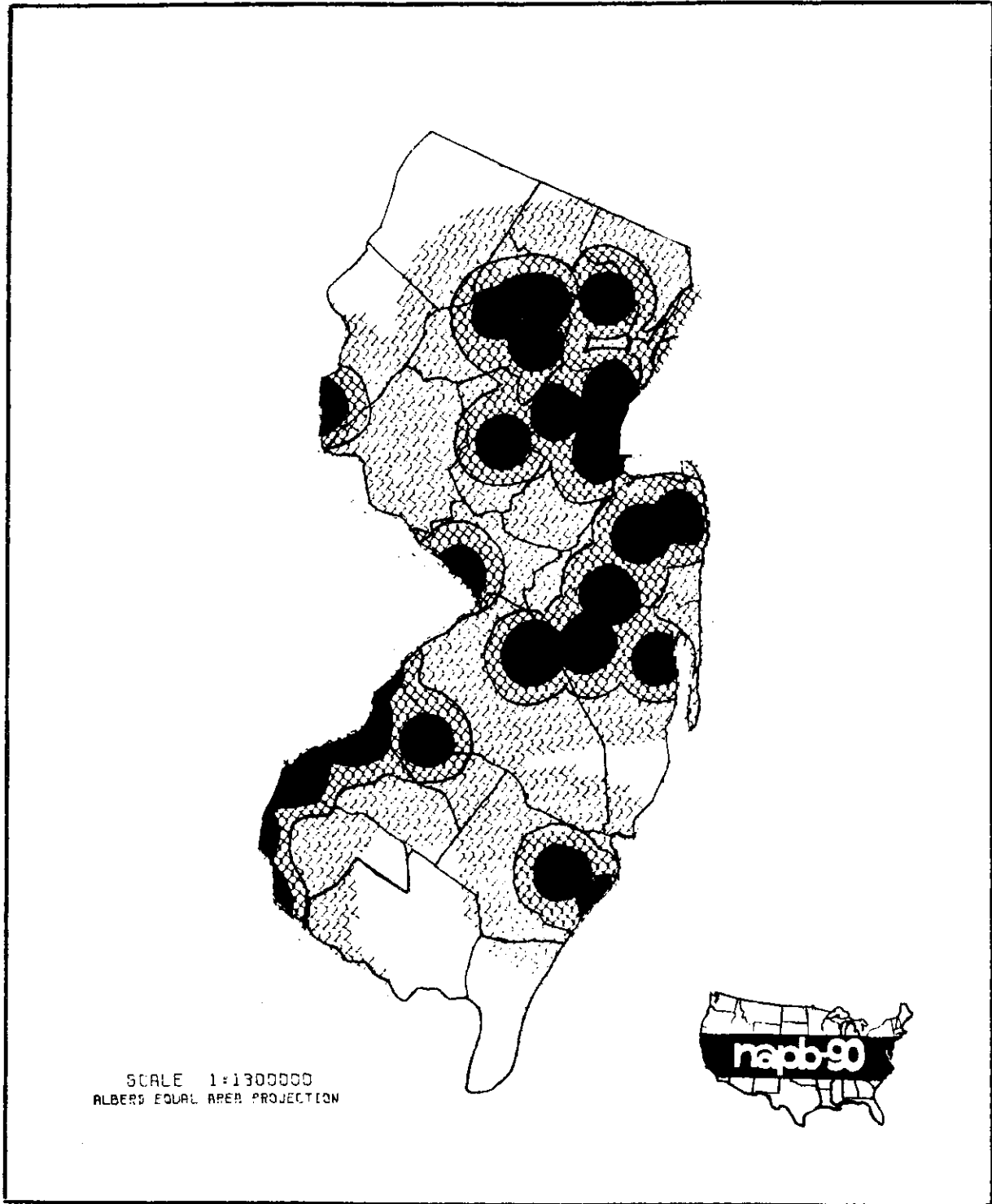
Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi

F E M A R E G I O N I I - - D I R E C T E F F E C T & F I R E R I S K S

| STATE/DATA     | TOTALS          | VERY HIGH<br>GT 10 psi | HIGH<br>5 to 10 psi | MEDIUM<br>2 to 5 psi | LOW<br>.5 to 2 psi | NONE<br>LT .5 psi |
|----------------|-----------------|------------------------|---------------------|----------------------|--------------------|-------------------|
| NEW JERSEY     | 7551161 (1.00)  | 1158926 (.15)          | 1509143 (.20)       | 2795018 (.37)        | 1792627 (.24)      | 95447 (.04)       |
| Land Area      | 7468 (1.00)     | 614 (.08)              | 841 (.11)           | 2264 (.30)           | 4715 (.63)         | -970 (N/A)*       |
| NEW YORK       | 17774143 (1.00) | 4999963 (.28)          | 3657085 (.21)       | 3932084 (.22)        | 2595023 (.15)      | 589988 (.14)      |
| Land Area      | 43377 (1.00)    | 1317 (.03)             | 1577 (.04)          | 4232 (.10)           | 15282 (.35)        | 20969 (.48)       |
| PUERTO RICO    | 3196520 (1.00)  | 57893 (.02)            | 81156 (.03)         | 447313 (.14)         | 614558 (.19)       | 968600 (.63)      |
| Land Area      | 3459 (1.00)     | ***                    | ***                 | ***                  | ***                | ***               |
| VIRGIN ISLANDS | 104294 (1.00)   | ***                    | ***                 | ***                  | ***                | ***               |
| Land Area      | 132 (1.00)      | ***                    | ***                 | ***                  | ***                | ***               |
| REGION II      | 28324821 (1.00) | 6216782 (.22)          | 5247384 (.18)       | 7174415 (.25)        | 5002208 (.17)      | 684032 (.17)      |
| Land Area      | 58436 (1.00)    | 1931 (.03)             | 2418 (.04)          | 6496 (.11)           | 19997 (.34)        | 27594 (.47)       |

\*[NOTE: Anomaly caused by State resource grid points overlapping the State boundaries.]

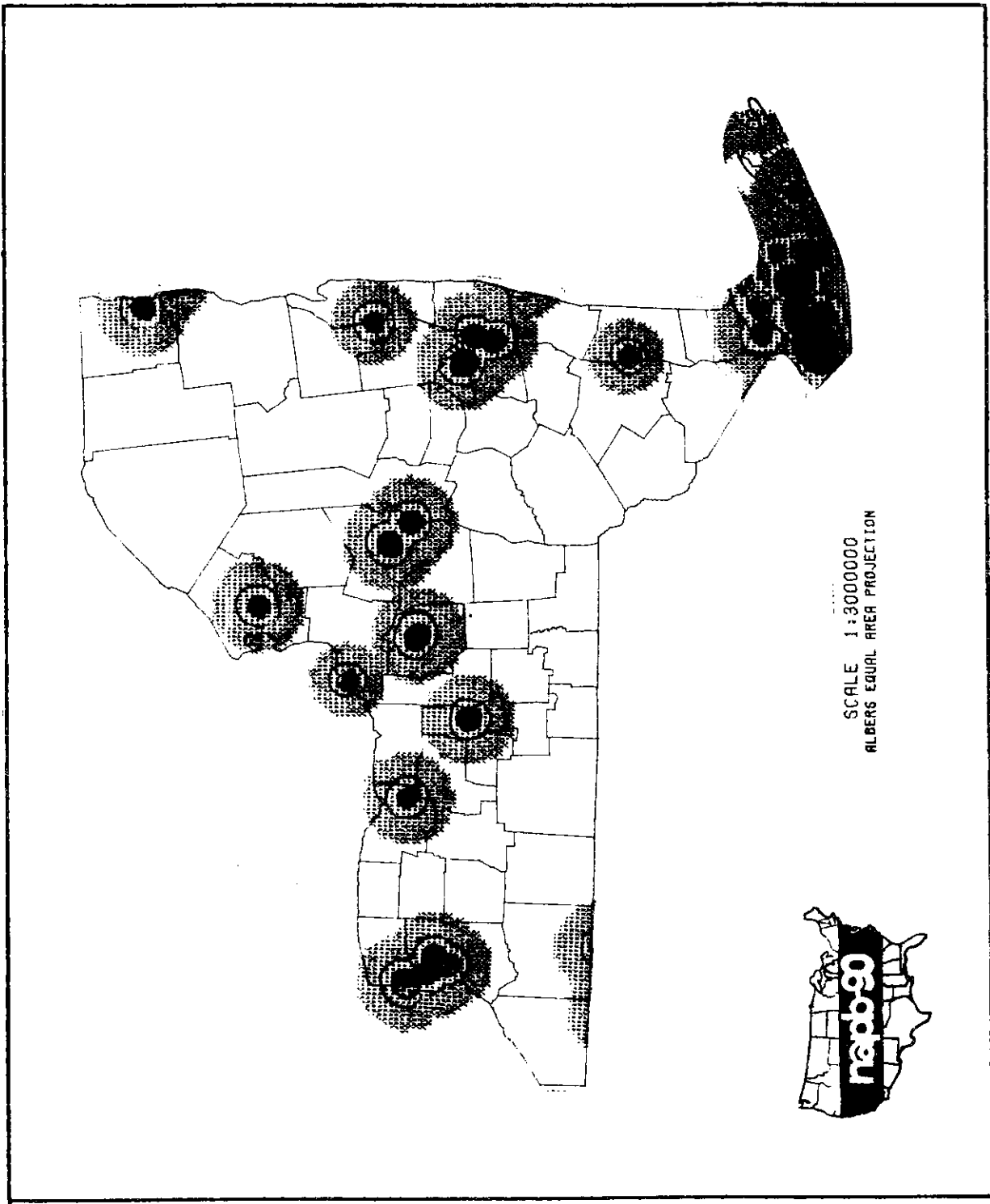
\*\*\* Data not available this printing



D I R E C T   E F F E C T S   R I S K   A R E A S

FEMA REGION II - NEW JERSEY

Black Area:      Equal to or greater than 5.0 psi  
 Ringed Area:    Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION II - NEW YORK

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi

[MAP WILL BE FURNISHED SEPARATELY]

D I R E C T   E F F E C T S   R I S K   A R E A S

---

FEMA REGION II - PUERTO RICO

Black Area:    Equal to or greater than 5.0 psi  
Ringed Area:    Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi



[MAP WILL BE FURNISHED SEPARATELY]

D I R E C T   E F F E C T S   R I S K   A R E A S

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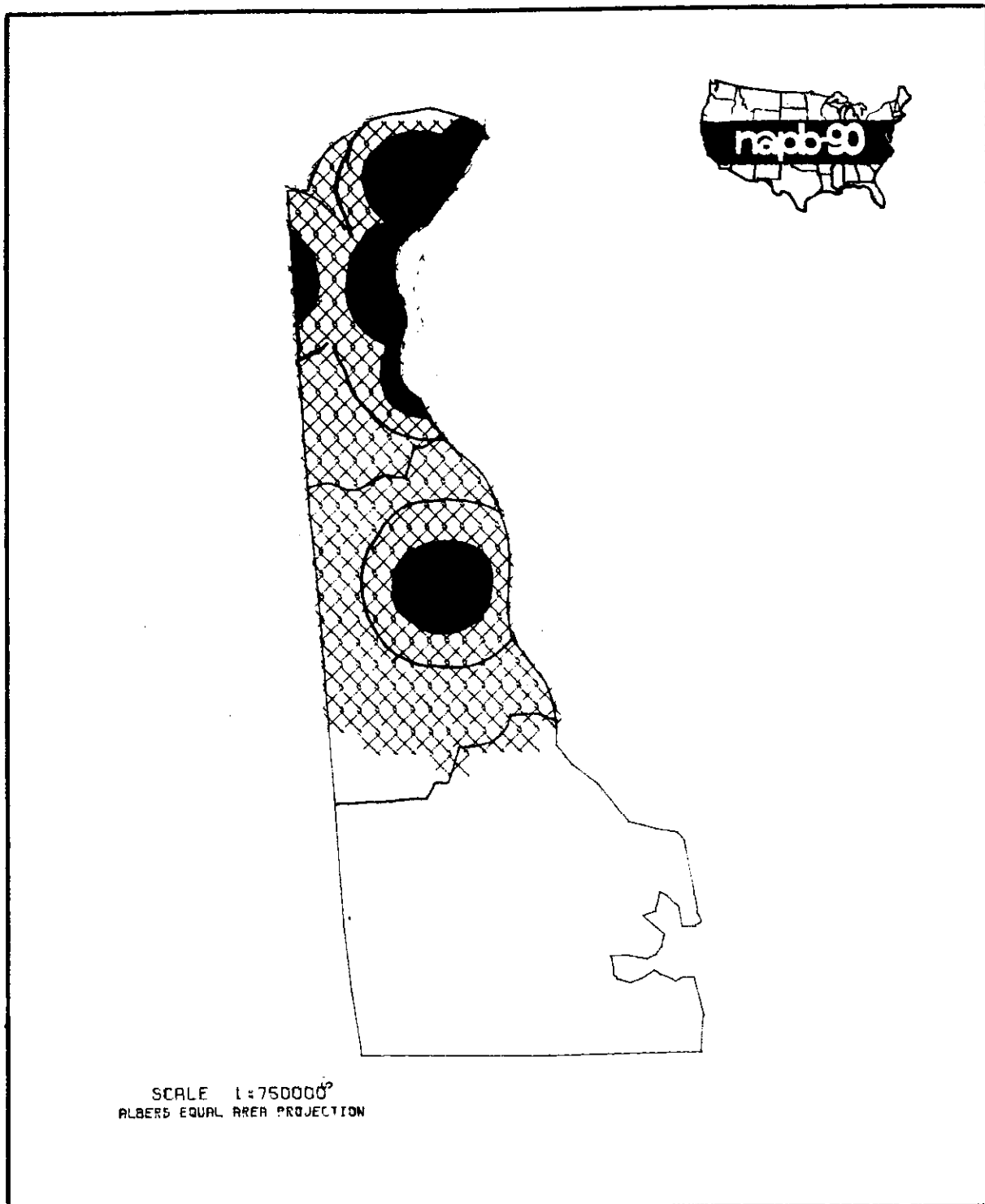
FEMA REGION II - TERRITORY OF THE VIRGIN ISLANDS

Black Area:      Equal to or greater than 5.0 psi  
Ringed Area:     Equal to or greater than 2.0 psi  
Unringed Area:   Equal to or greater than 0.5 psi

F E M A R E G I O N I I I - - D I R E C T E F F E C T S & F I R E R I S K S

| STATE/DATA       | TOTALS          | VERY HIGH<br>GT 10 psi | HIGH<br>5 to 10 psi | MEDIUM<br>2 to 5 psi | LOW<br>.5 to 2 psi | NONE<br>LT .5 psi |            |           |            |
|------------------|-----------------|------------------------|---------------------|----------------------|--------------------|-------------------|------------|-----------|------------|
|                  |                 |                        |                     |                      |                    |                   | Population | Land Area | Population |
| DIST OF COLUMBIA | 618906 (1.00)   | 379799 (.61)           | 182859 (.29)        | 56248 (.10)          | ---                | ---               |            |           |            |
|                  | 93 (1.00)       | 63 (.68)*              | 38 (.41)*           | 15 (.16)*            | ---                | ---               |            |           |            |
| DELAWARE         | 530229 (1.00)   | 158757 (.30)           | 77026 (.15)         | 151013 (.28)         | 36073 (.08)        | 107360 (.19)      |            |           |            |
|                  | 1933 (1.00)     | 111 (.06)              | 175 (.09)           | 412 (.21)            | 688 (.36)          | 547 (.28)         |            |           |            |
| MARYLAND         | 4381743 (1.00)  | 1084306 (.25)          | 843253 (.19)        | 1254439 (.29)        | 866103 (.20)       | 333642 (.08)      |            |           |            |
|                  | 9838 (1.00)     | 762 (.08)              | 820 (.08)           | 2391 (.24)           | 4810 (.49)         | 1057 (.11)        |            |           |            |
| PENNSYLVANIA     | 11909083 (1.00) | 2395327 (.20)          | 1870960 (.16)       | 2578836 (.22)        | 2908707 (.24)      | 2155253 (.18)     |            |           |            |
|                  | 44892 (1.00)    | 1566 (.03)             | 1888 (.04)          | 6020 (.13)           | 17246 (.38)        | 18172 (.40)       |            |           |            |
| VIRGINIA         | 5715659 (1.00)  | 1358668 (.24)          | 765990 (.13)        | 976016 (.17)         | 1111036 (.19)      | 1503949 (.26)     |            |           |            |
|                  | 39700 (1.00)    | 1106 (.03)             | 1068 (.03)          | 3349 (.08)           | 11812 (.30)        | 22365 (.56)       |            |           |            |
| WEST VIRGINIA    | 1952256 (1.00)  | 184914 (.09)           | 86709 (.05)         | 282609 (.14)         | 669705 (.34)       | 728319 (.38)      |            |           |            |
|                  | 24124 (1.00)    | 439 (.02)              | 492 (.02)           | 1989 (.08)           | 6877 (.29)         | 14372 (.60)       |            |           |            |
| REGION III       | 25107876 (1.00) | 5561771 (.22)          | 3826977 (.15)       | 5290161 (.21)        | 5591624 (.22)      | 4837343 (.19)     |            |           |            |
|                  | 120550 (1.00)   | 4047 (.03)             | 4480 (.04)          | 14176 (.12)          | 41433 (.34)        | 56415 (.47)       |            |           |            |

\* [NOTE: Anomaly caused by State resource grid points overlapping the State boundaries.]



DIRECT EFFECTS RISK AREAS

---

FEMA REGION III - DELAWARE

Black Area: Equal to or greater than 5.0 psi  
Ringed Area: Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi

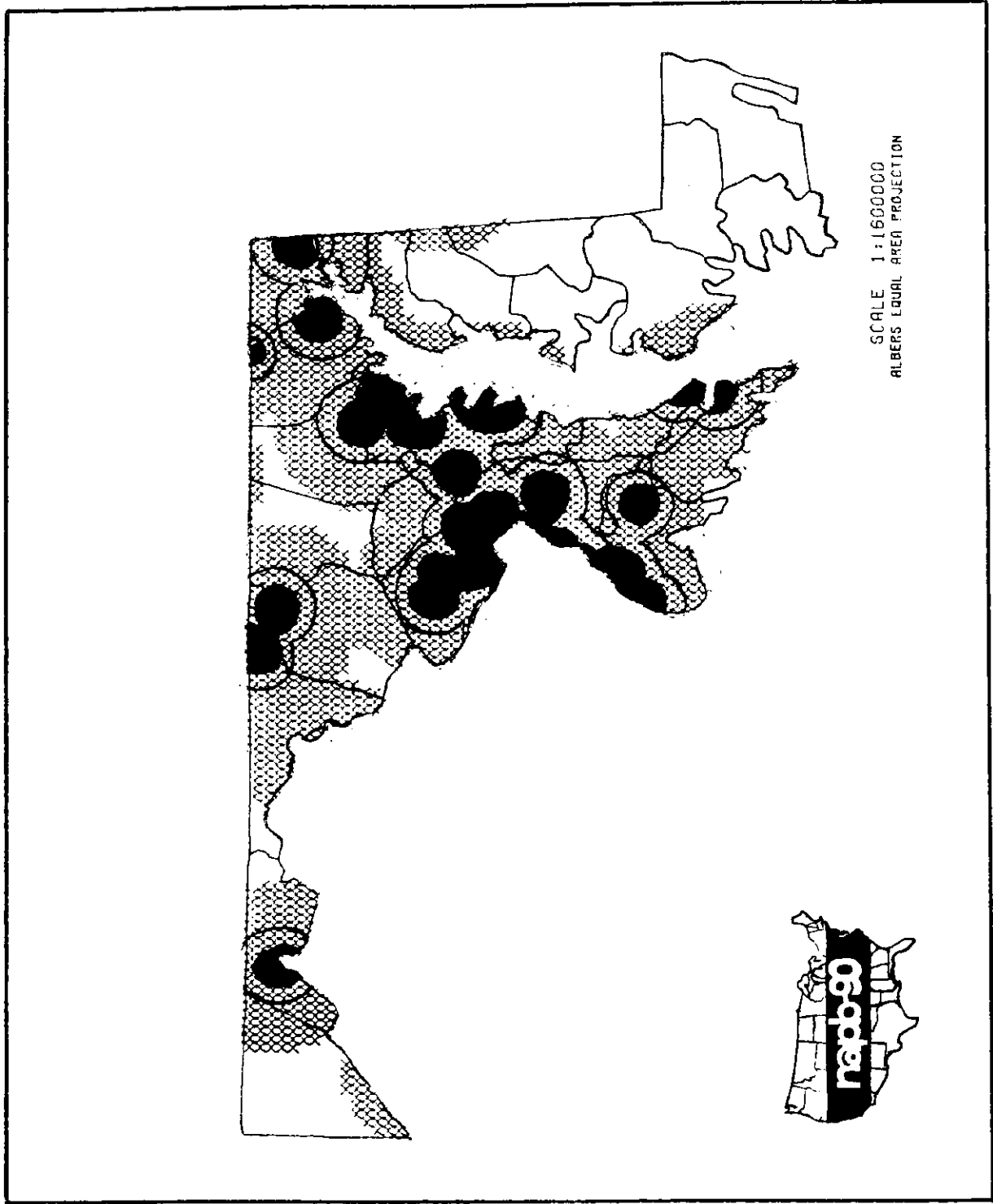
[MAP WILL BE FURNISHED SEPARATELY]

D I R E C T   E F F E C T S   R I S K   A R E A S

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FEMA REGION III - DISTRICT OF COLUMBIA AREA

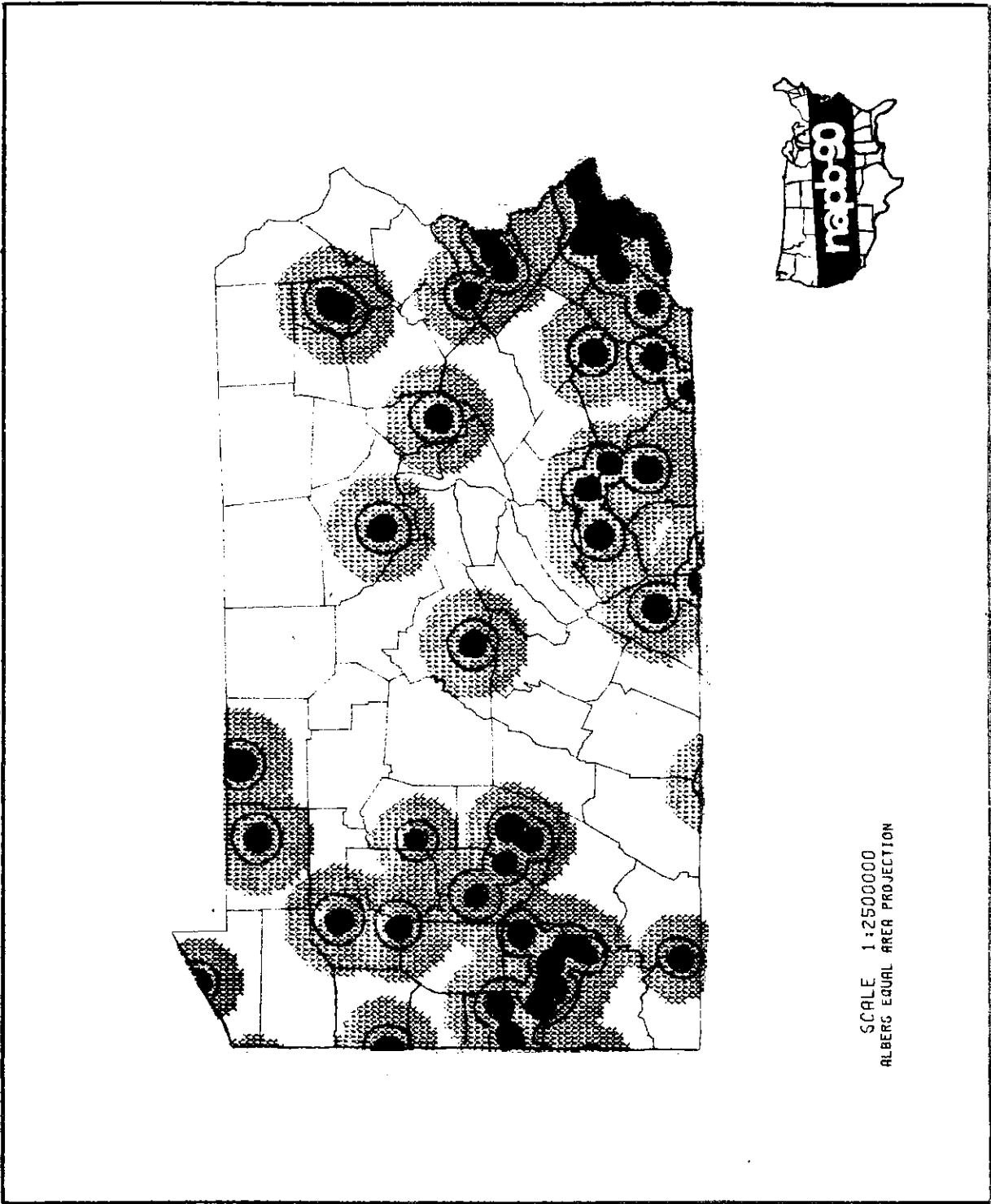
Black Area:    Equal to or greater than 5.0 psi  
Ringed Area:    Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION III - MARYLAND

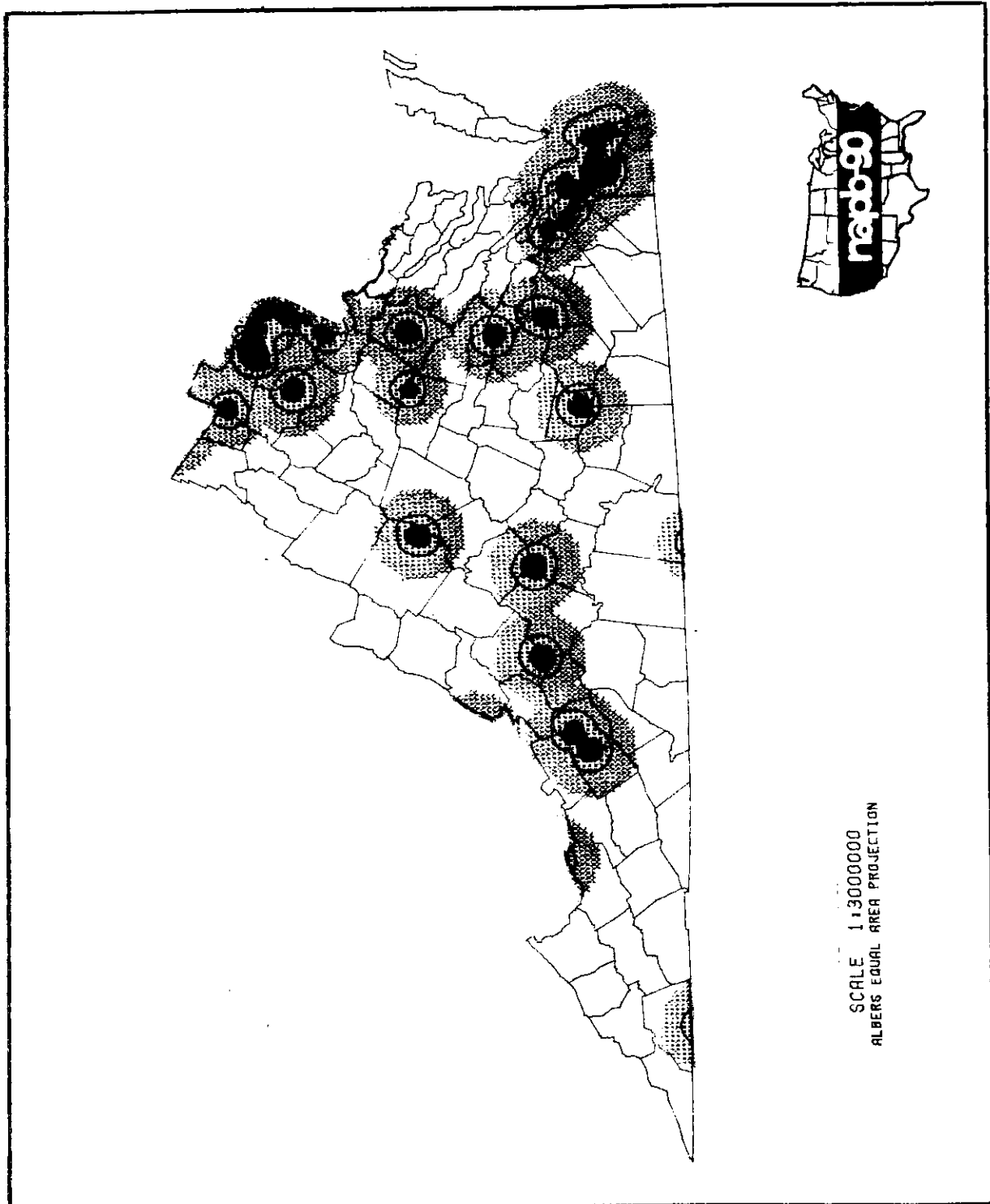
Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION III - PENNSYLVANIA

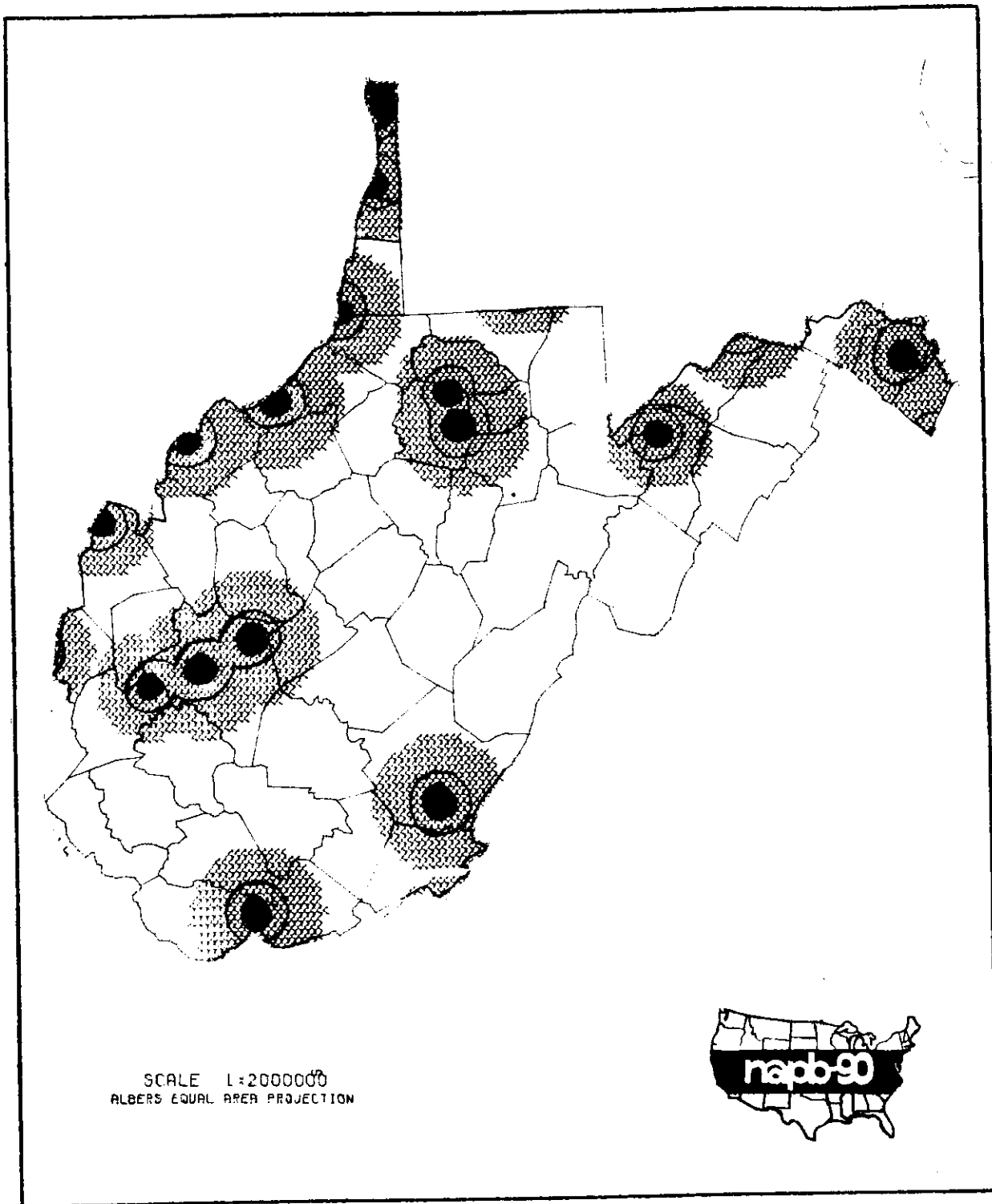
- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION III - VIRGINIA

Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



D I R E C T   E F F E C T S   R I S K   A R E A S

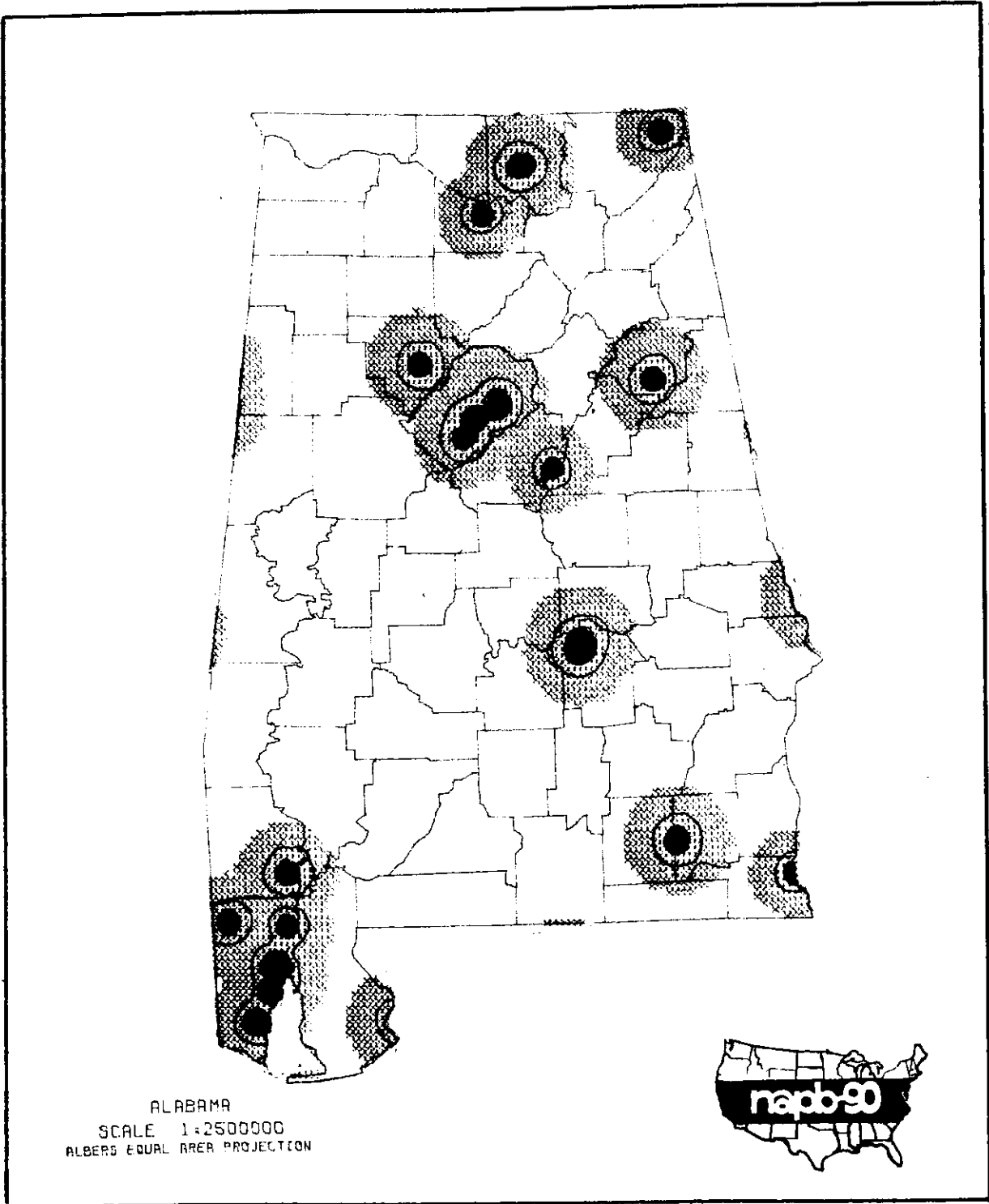
F E M A   R E G I O N   I I I   -   W E S T   V I R G I N I A

- Black Area:    Equal to or greater than 5.0 psi
- Ringed Area:   Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



F E M A R E G I O N I V - - D I R E C T E F F E C T S & F I R E R I S K S

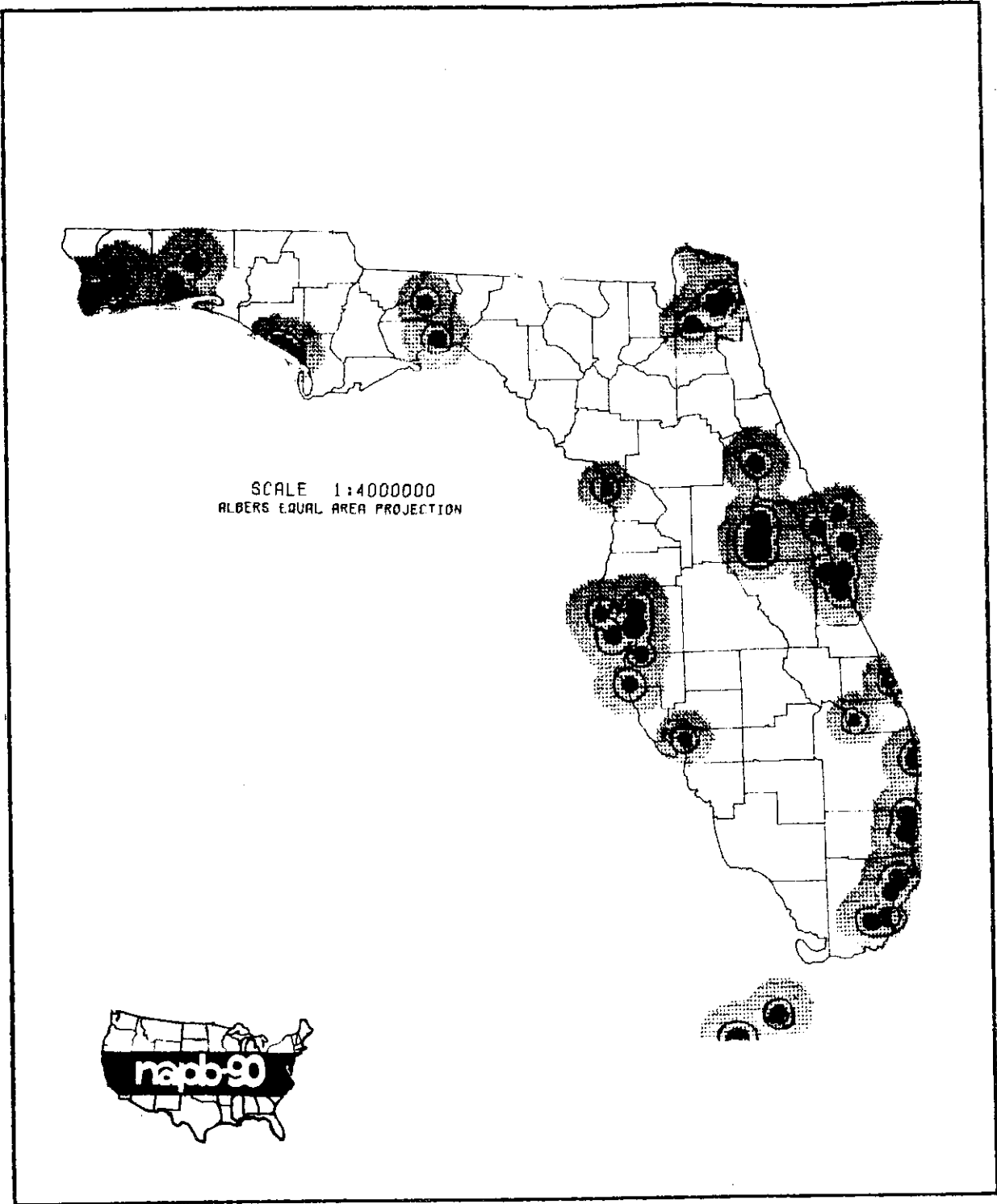
| STATE/DATE  | TOTALS          | VERY HIGH     |               |               |               | MEDIUM         |  |  |  | LOW |  | NONE<br>LT .5 psi |
|-------------|-----------------|---------------|---------------|---------------|---------------|----------------|--|--|--|-----|--|-------------------|
|             |                 | GT 10 psi     | 5 to 10 psi   | 2 to 5 psi    | .5 to 2 psi   |                |  |  |  |     |  |                   |
| ALABAMA     |                 |               |               |               |               |                |  |  |  |     |  |                   |
| Population  | 3959145 (1.00)  | 496537 (.13)  | 428603 (.11)  | 557090 (.14)  | 686281 (.17)  | 1790634 (.45)  |  |  |  |     |  |                   |
| Land Area   | 50739 (1.00)    | 523 (.01)     | 747 (.01)     | 2629 (.05)    | 14866 (.29)   | 31954 (.63)    |  |  |  |     |  |                   |
| FLORIDA     |                 |               |               |               |               |                |  |  |  |     |  |                   |
| Population  | 11883346 (1.00) | 2457768 (.21) | 1587622 (.13) | 2485369 (.21) | 2094563 (.18) | 3258024 (.27)  |  |  |  |     |  |                   |
| Land Area   | 63397 (1.00)    | 1333 (.02)    | 1397 (.02)    | 5025 (.08)    | 17732 (.28)   | 37920 (.60)    |  |  |  |     |  |                   |
| GEORGIA     |                 |               |               |               |               |                |  |  |  |     |  |                   |
| Population  | 5929253 (1.00)  | 820023 (.14)  | 632291 (.11)  | 1312362 (.22) | 1192531 (.20) | 1972026 (.33)  |  |  |  |     |  |                   |
| Land Area   | 58117 (1.00)    | 746 (.01)     | 952 (.02)     | 3629 (.06)    | 12188 (.21)   | 40602 (.70)    |  |  |  |     |  |                   |
| KENTUCKY    |                 |               |               |               |               |                |  |  |  |     |  |                   |
| Population  | 3730146 (1.00)  | 403894 (.11)  | 289245 (.08)  | 448707 (.12)  | 905660 (.24)  | 1682640 (.45)  |  |  |  |     |  |                   |
| Land Area   | 39639 (1.00)    | 397 (.01)     | 566 (.01)     | 1862 (.05)    | 7940 (.20)    | 28874 (.73)    |  |  |  |     |  |                   |
| MISSISSIPPI |                 |               |               |               |               |                |  |  |  |     |  |                   |
| Population  | 2617133 (1.00)  | 228224 (.09)  | 187546 (.07)  | 315988 (.12)  | 380394 (.15)  | 1504981 (.57)  |  |  |  |     |  |                   |
| Land Area   | 47174 (1.00)    | 413 (.01)     | 493 (.01)     | 1797 (.04)    | 7297 (.15)    | 37192 (.79)    |  |  |  |     |  |                   |
| N. CAROLINA |                 |               |               |               |               |                |  |  |  |     |  |                   |
| Population  | 6233774 (1.00)  | 391174 (.06)  | 256164 (.04)  | 732968 (.12)  | 1251116 (.20) | 3602352 (.58)  |  |  |  |     |  |                   |
| Land Area   | 48843 (1.00)    | 540 (.01)     | 597 (.01)     | 2439 (.05)    | 9469 (.19)    | 35789 (.73)    |  |  |  |     |  |                   |
| S. CAROLINA |                 |               |               |               |               |                |  |  |  |     |  |                   |
| Population  | 3343422 (1.00)  | 341270 (.10)  | 245008 (.07)  | 356102 (.11)  | 649206 (.19)  | 1751836 (.52)  |  |  |  |     |  |                   |
| Land Area   | 30207 (1.00)    | 333 (.01)     | 519 (.02)     | 1724 (.06)    | 7078 (.23)    | 20553 (.68)    |  |  |  |     |  |                   |
| TENNESSEE   |                 |               |               |               |               |                |  |  |  |     |  |                   |
| Population  | 4746516 (1.00)  | 628268 (.13)  | 359393 (.08)  | 648405 (.14)  | 1030830 (.22) | 2079620 (.44)  |  |  |  |     |  |                   |
| Land Area   | 40930 (1.00)    | 503 (.01)     | 798 (.02)     | 2243 (.05)    | 7390 (.18)    | 29996 (.73)    |  |  |  |     |  |                   |
| REGION IV   |                 |               |               |               |               |                |  |  |  |     |  |                   |
| Population  | 42442705 (1.00) | 5767158 (.16) | 3985872 (.09) | 6856991 (.16) | 8190581 (.19) | 17642103 (.42) |  |  |  |     |  |                   |
| Land Area   | 379046 (1.00)   | 4788 (.01)    | 6069 (.02)    | 21348 (.06)   | 83971 (.22)   | 262888 (.69)   |  |  |  |     |  |                   |



DIRECT EFFECTS RISK AREAS

FEMA REGION IV - ALABAMA

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi

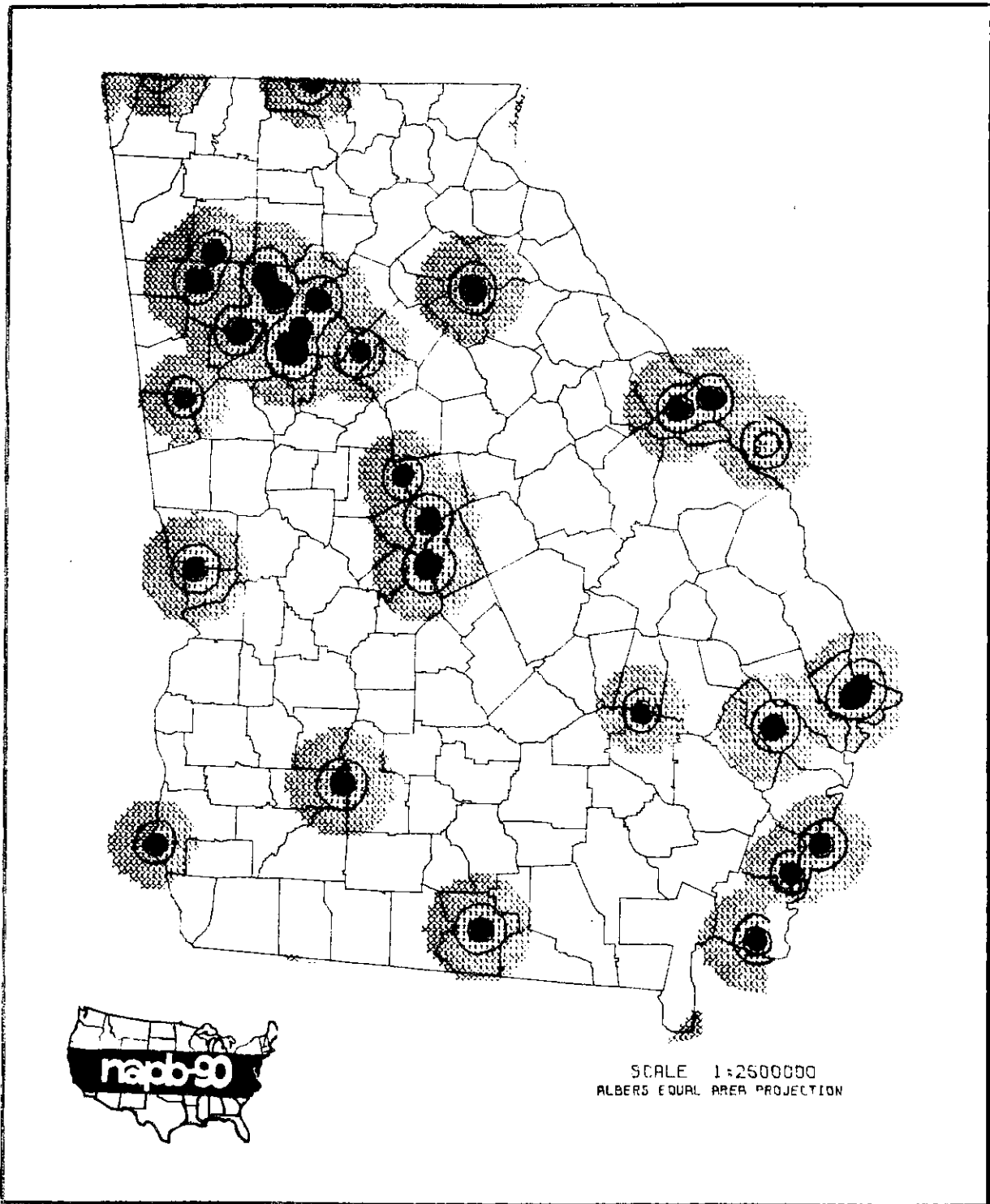


D I R E C T   E F F E C T S   R I S K   A R E A S

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FEMA REGION IV - FLORIDA.

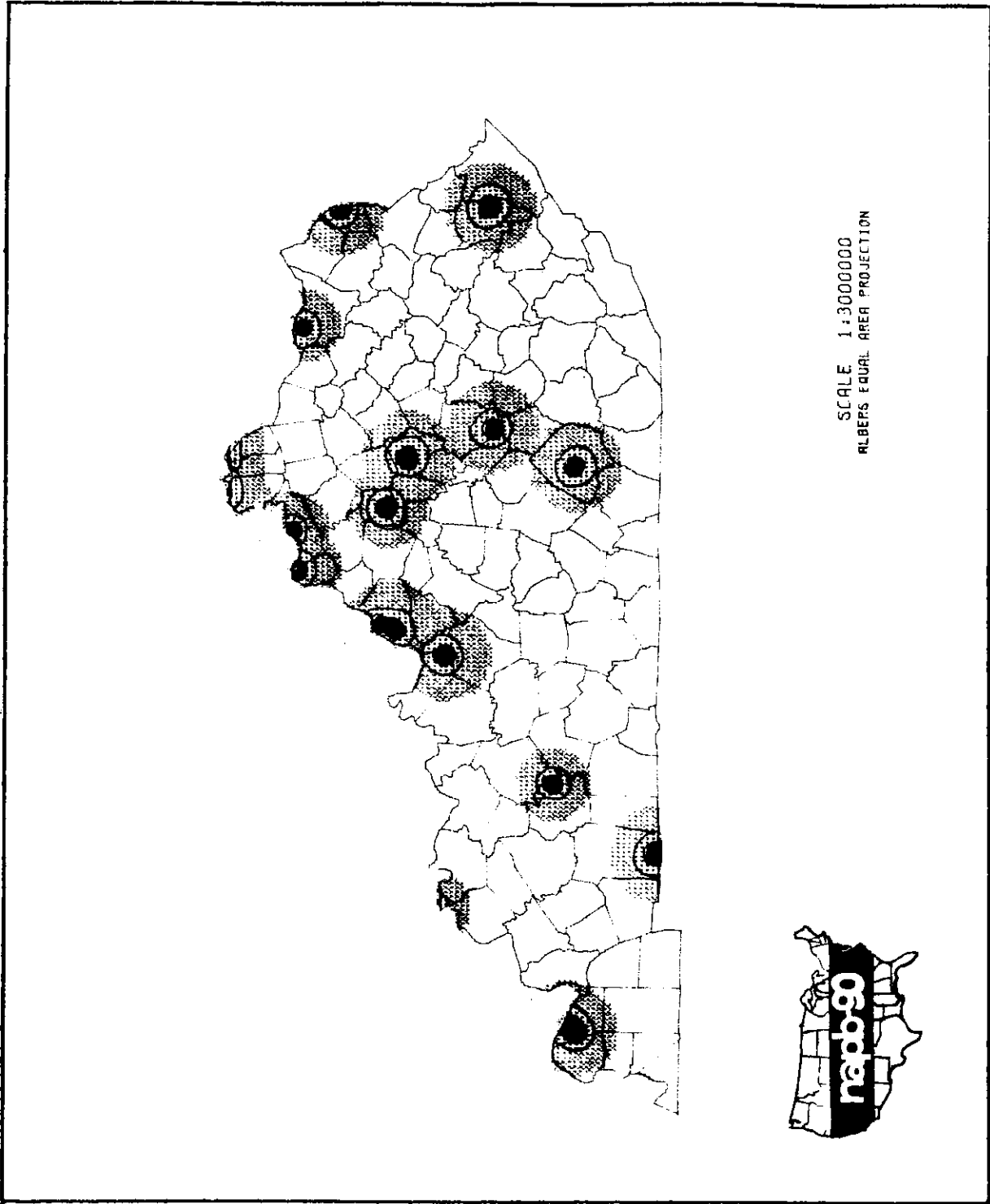
Black Area:    Equal to or greater than 5.0 psi  
 Ringed Area:   Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION IV - GEORGIA

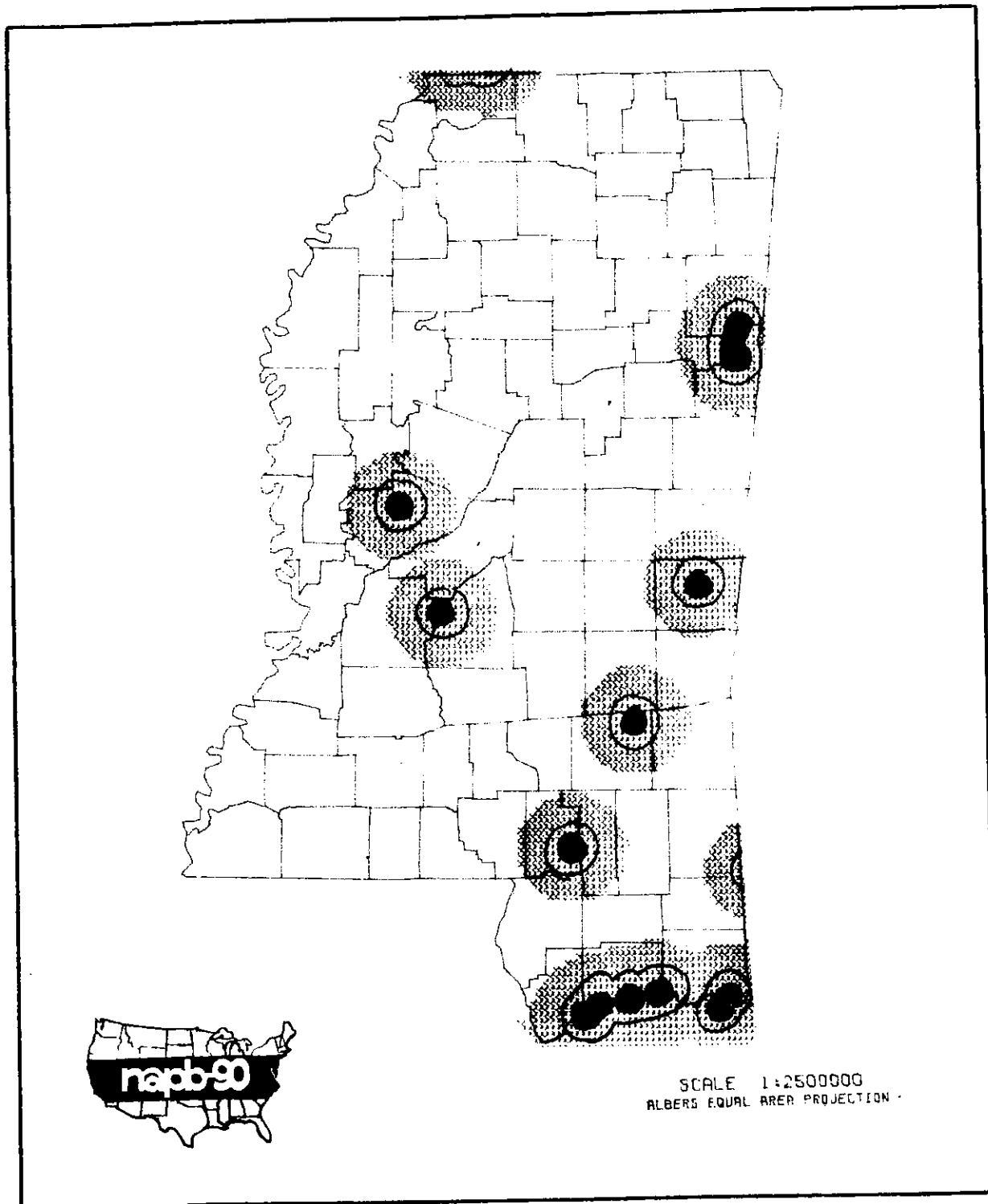
Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION IV - KENTUCKY

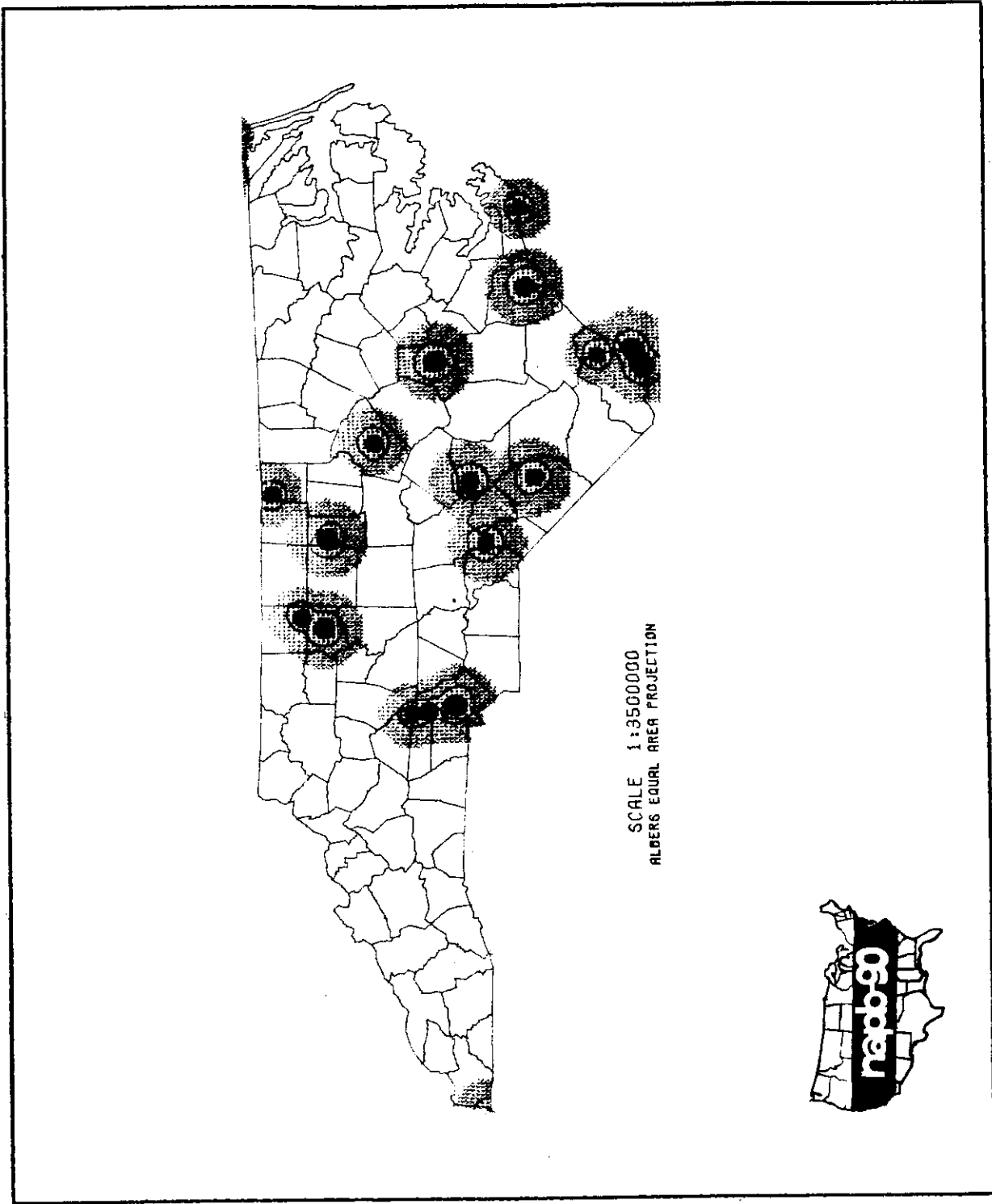
- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION IV - MISSISSIPPI

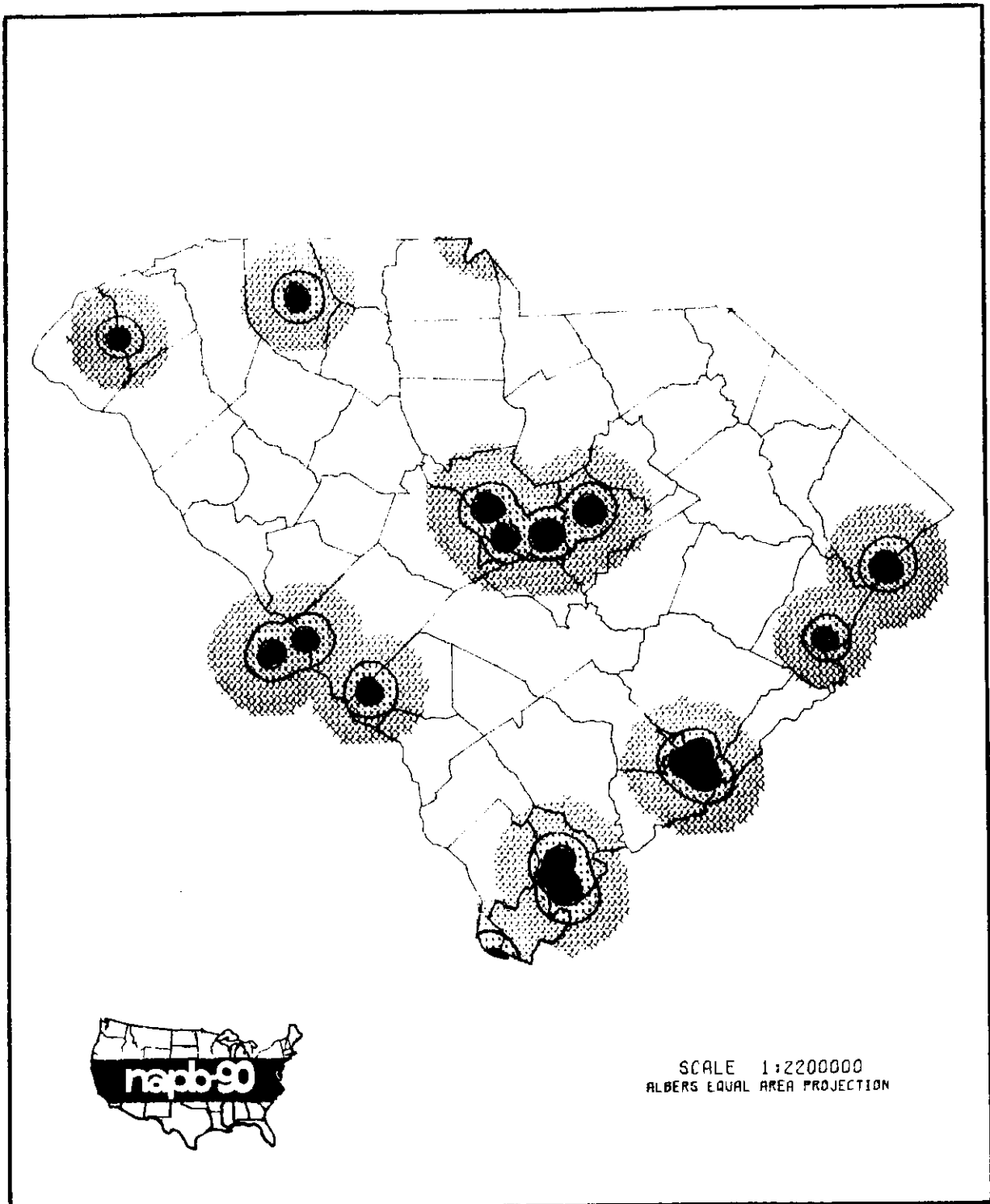
Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION IV - NORTH CAROLINA

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



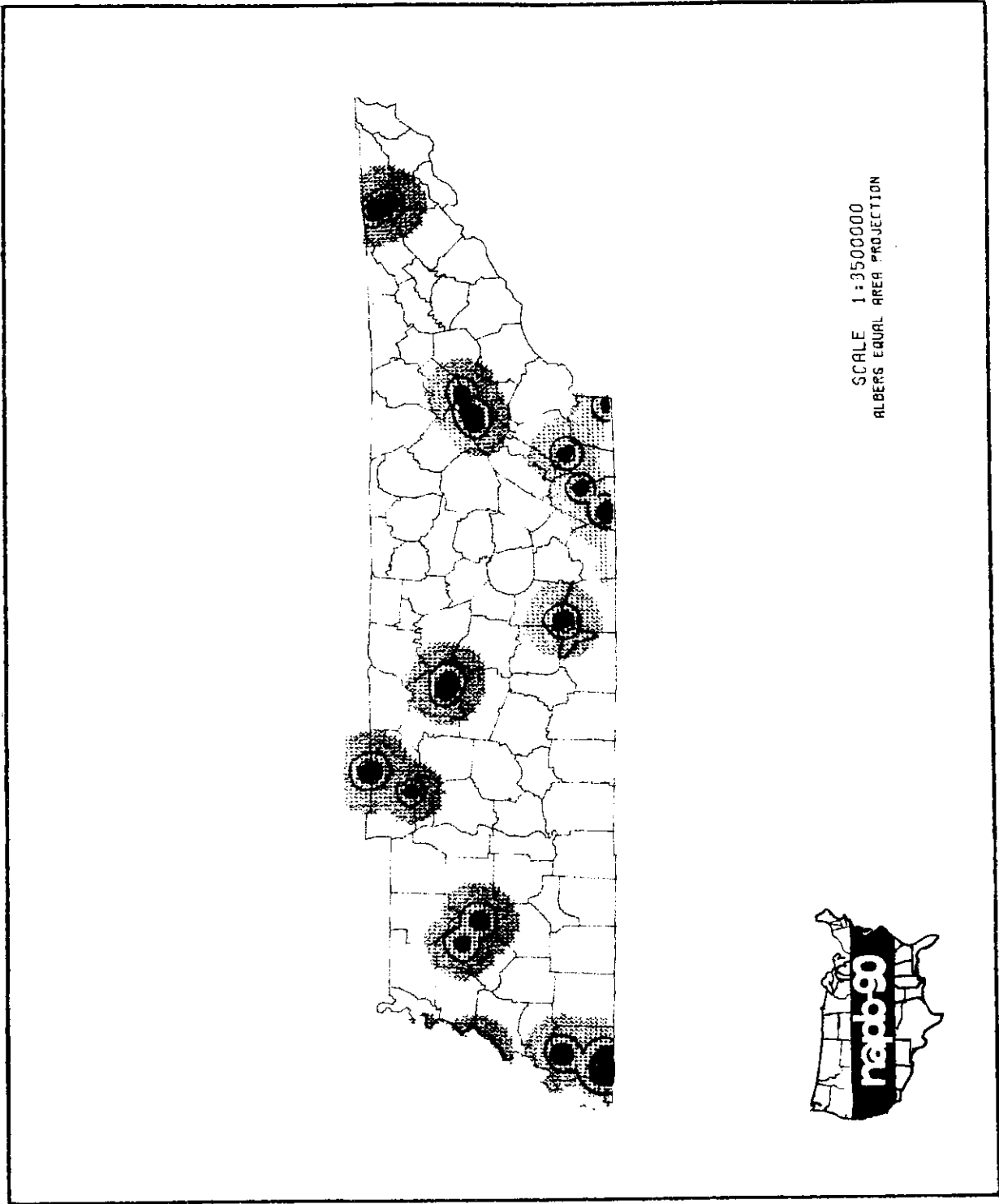
DIRECT EFFECTS RISK AREAS

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FEMA REGION IV - SOUTH CAROLINA

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi





DIRECT EFFECTS RISK AREAS

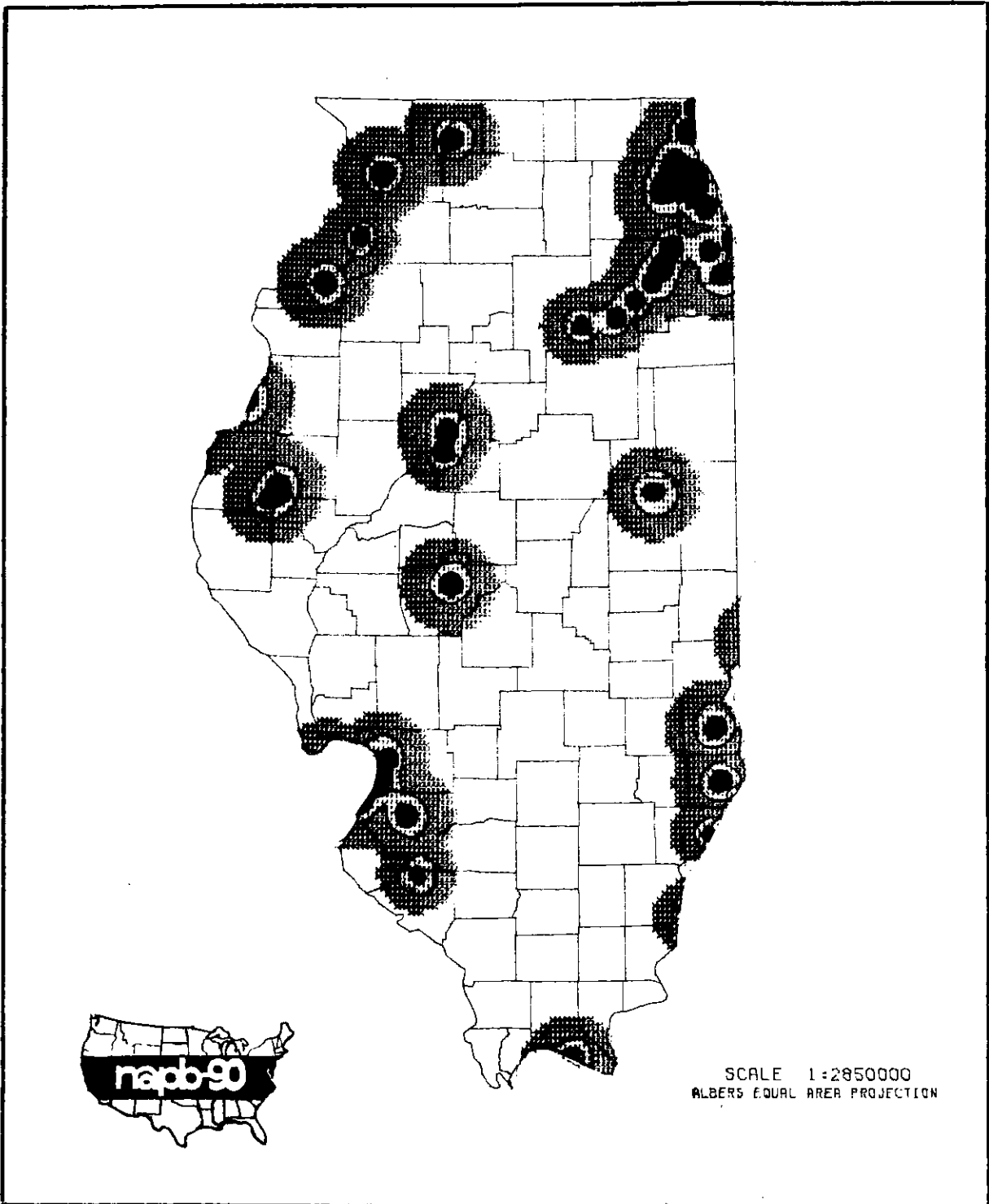
FEMA REGION IV - TENNESSEE

Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi

F E M A R E G I O N V - - D I R E C T E F F E C T S & F I R E R I S K S

| STATE/DATA           | TOTALS          | HIGH                   |               |               |               | MEDIUM         |  | LOW |  | NONE<br>LT .5 psi |
|----------------------|-----------------|------------------------|---------------|---------------|---------------|----------------|--|-----|--|-------------------|
|                      |                 | VERY HIGH<br>GT 10 psi | 5 to 10 psi   | 2 to 5 psi    | 2 to 5 psi    | .5 to 2 psi    |  |     |  |                   |
| ILLINOIS Population  | 11557256 (1.00) | 2085709 (.18)          | 1624701 (.14) | 3225483 (.28) | 1914989 (.17) | 2706374 (.23)  |  |     |  |                   |
| Land Area            | 51586 (1.00)    | 1275 (.02)             | 1338 (.03)    | 4158 (.08)    | 12929 (.25)   | 32186 (.62)    |  |     |  |                   |
| INDIANA Population   | 5499636 (1.00)  | 783413 (.14)           | 607437 (.11)  | 789434 (.14)  | 1088128 (.20) | 2231224 (.41)  |  |     |  |                   |
| Land Area            | 35963 (1.00)    | 555 (.02)              | 683 (.02)     | 2439 (.07)    | 10421 (.29)   | 21865 (.61)    |  |     |  |                   |
| MICHIGAN Population  | 9030778 (1.00)  | 1570330 (.17)          | 1220636 (.14) | 1918858 (.21) | 1952054 (.22) | 2368900 (.26)  |  |     |  |                   |
| Land Area            | 57019 (1.00)    | 1042 (.02)             | 1238 (.02)    | 4227 (.07)    | 17869 (.31)   | 32643 (.57)    |  |     |  |                   |
| MINNESOTA Population | 4181231 (1.00)  | 645927 (.16)           | 446913 (.11)  | 589812 (.14)  | 515383 (.12)  | 1983196 (.47)  |  |     |  |                   |
| Land Area            | 79547 (1.00)    | 413 (.01)              | 418 (.01)     | 1333 (.02)    | 4745 (.06)    | 72638 (.91)    |  |     |  |                   |
| OHIO Population      | 10638633 (1.00) | 1605297 (.15)          | 1490643 (.14) | 2611992 (.25) | 3082059 (.29) | 1848642 (.17)  |  |     |  |                   |
| Land Area            | 41006 (1.00)    | 878 (.02)              | 1571 (.04)    | 4819 (.12)    | 18690 (.46)   | 15048 (.37)    |  |     |  |                   |
| WISCONSIN Population | 4779553 (1.00)  | 427685 (.09)           | 126942 (.03)  | 557331 (.12)  | 755110 (.16)  | 2912485 (.31)  |  |     |  |                   |
| Land Area            | 54424 (1.00)    | 302 (.01)              | 264 (xxx)     | 1243 (.02)    | 4613 (.08)    | 48002 (.88)    |  |     |  |                   |
| REGION V Population  | 45687087 (1.00) | 7118361 (.16)          | 5517272 (.12) | 9692910 (.21) | 9307723 (.20) | 14050821 (.31) |  |     |  |                   |
| Land Area            | 323545 (1.00)   | 4465 (.01)             | 5512 (.02)    | 18219 (.06)   | 69267 (.21)   | 226082 (.70)   |  |     |  |                   |

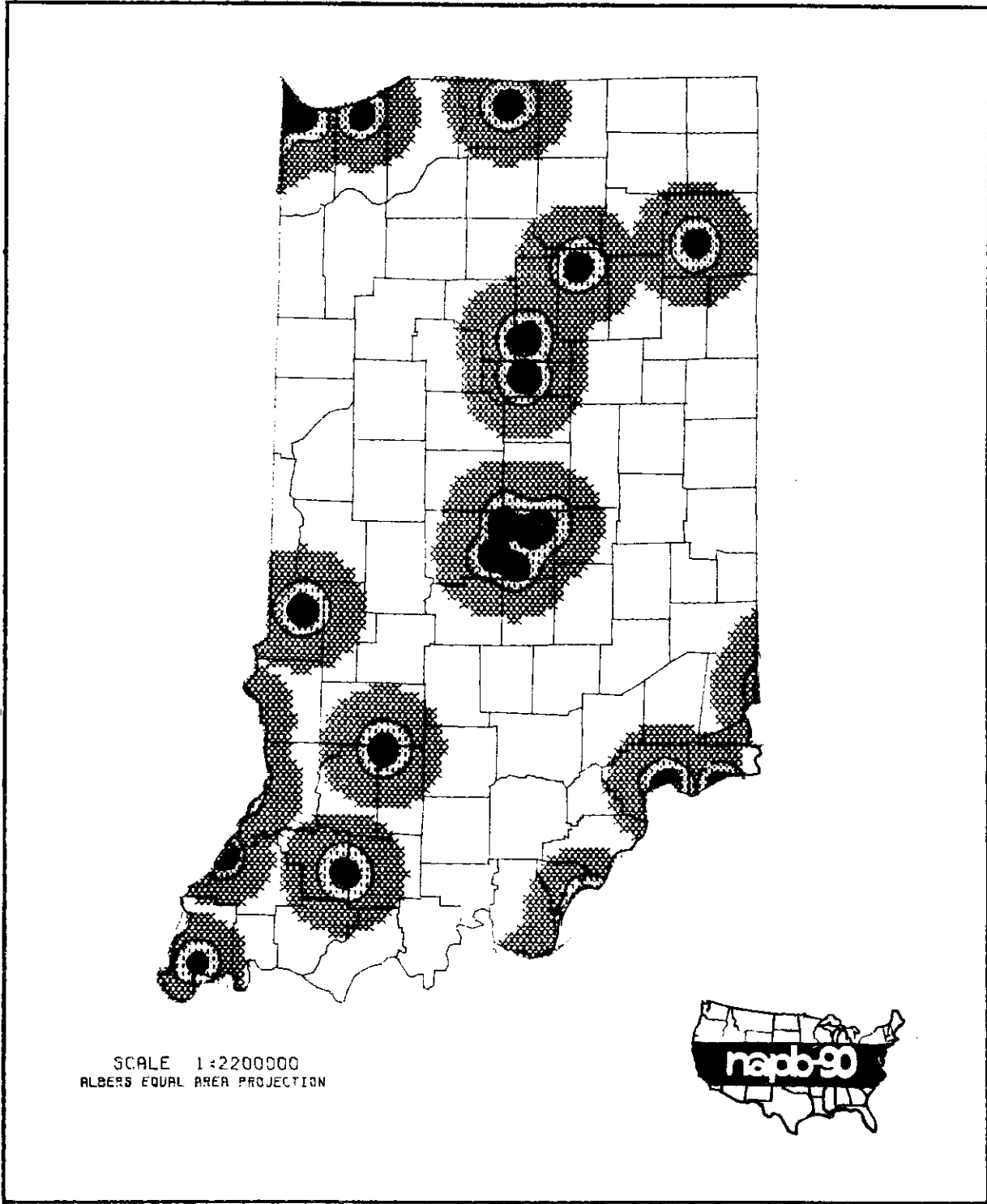
(xxx) Less than 1 percent



DIRECT EFFECTS RISK AREAS

FEMA REGION V - ILLINOIS

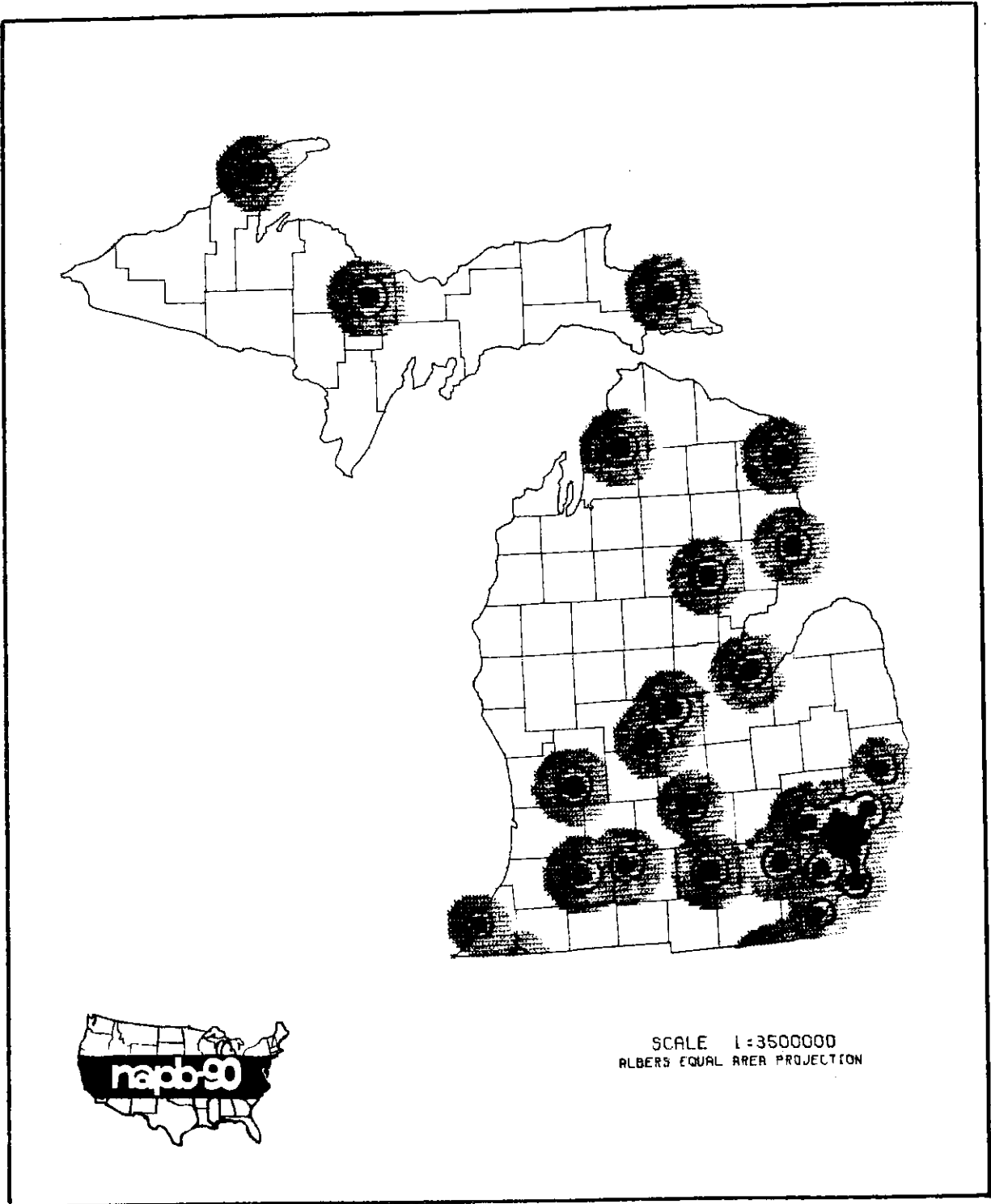
- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION V - INDIANA

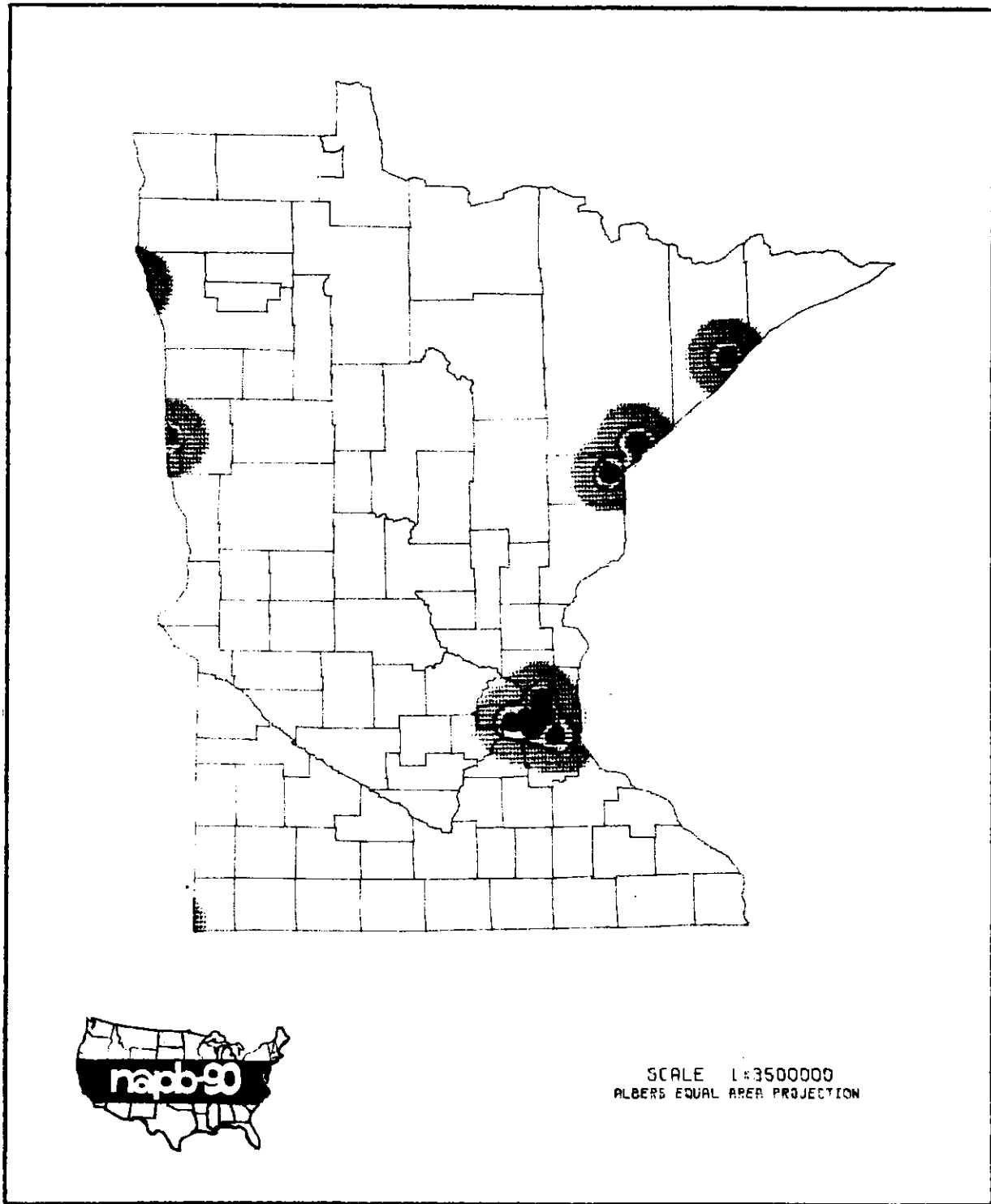
- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION V - MICHIGAN

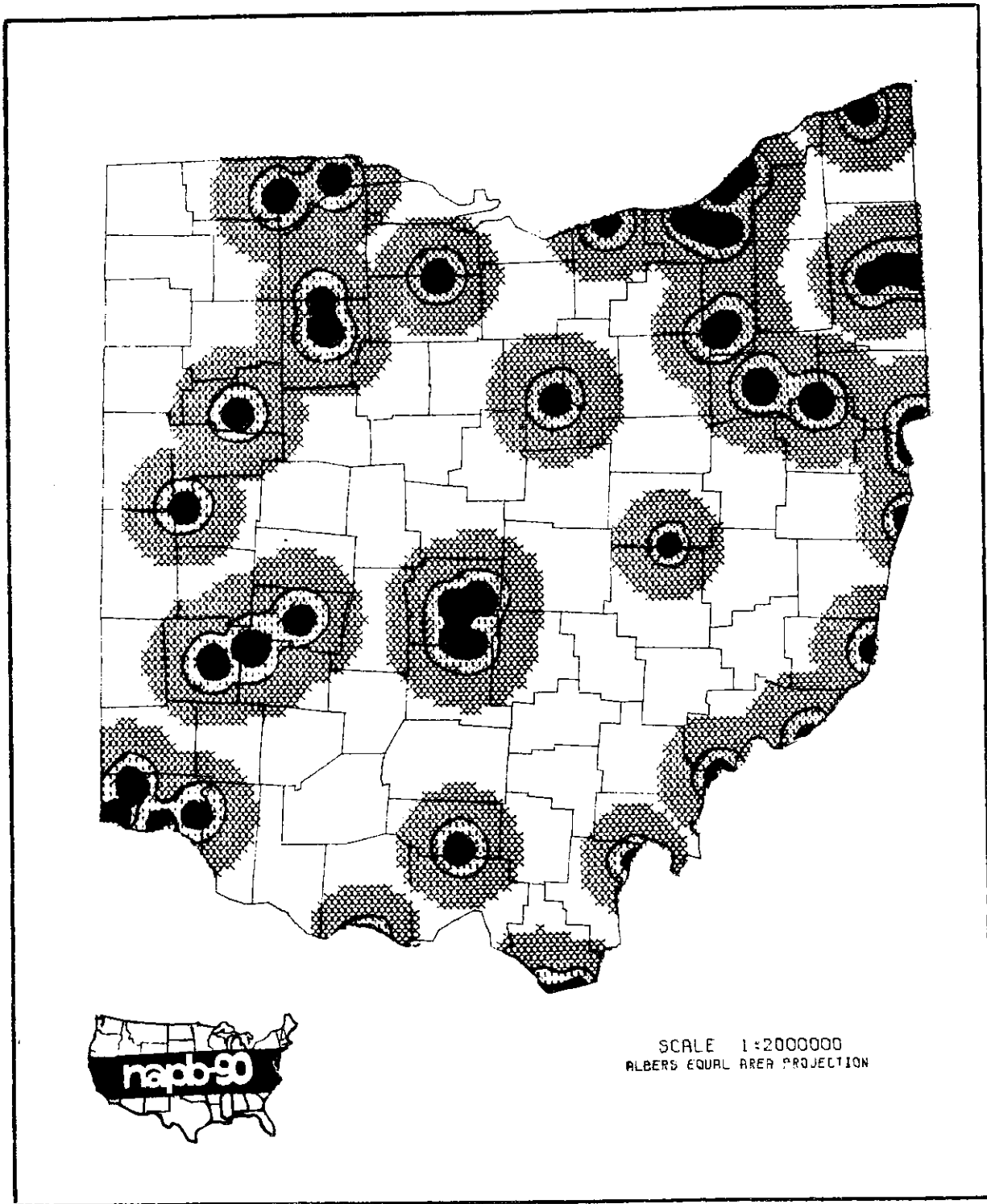
- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION V - MINNESOTA

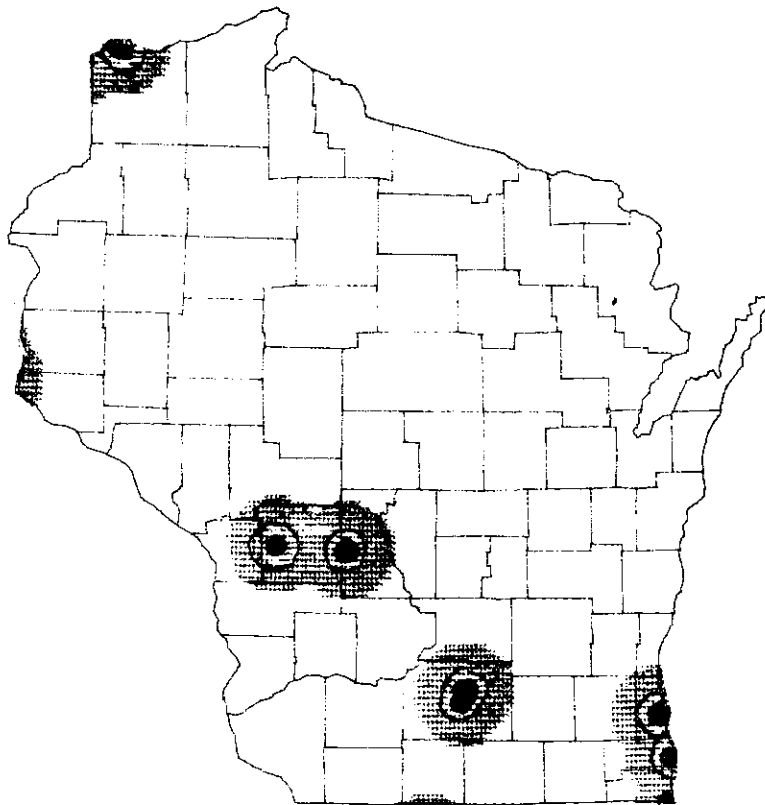
Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION V - OHIO

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



SCALE 1:3500000  
ALBERS EQUAL AREA PROJECTION

DIRECT EFFECTS RISK AREAS

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FEMA REGION V - WISCONSIN

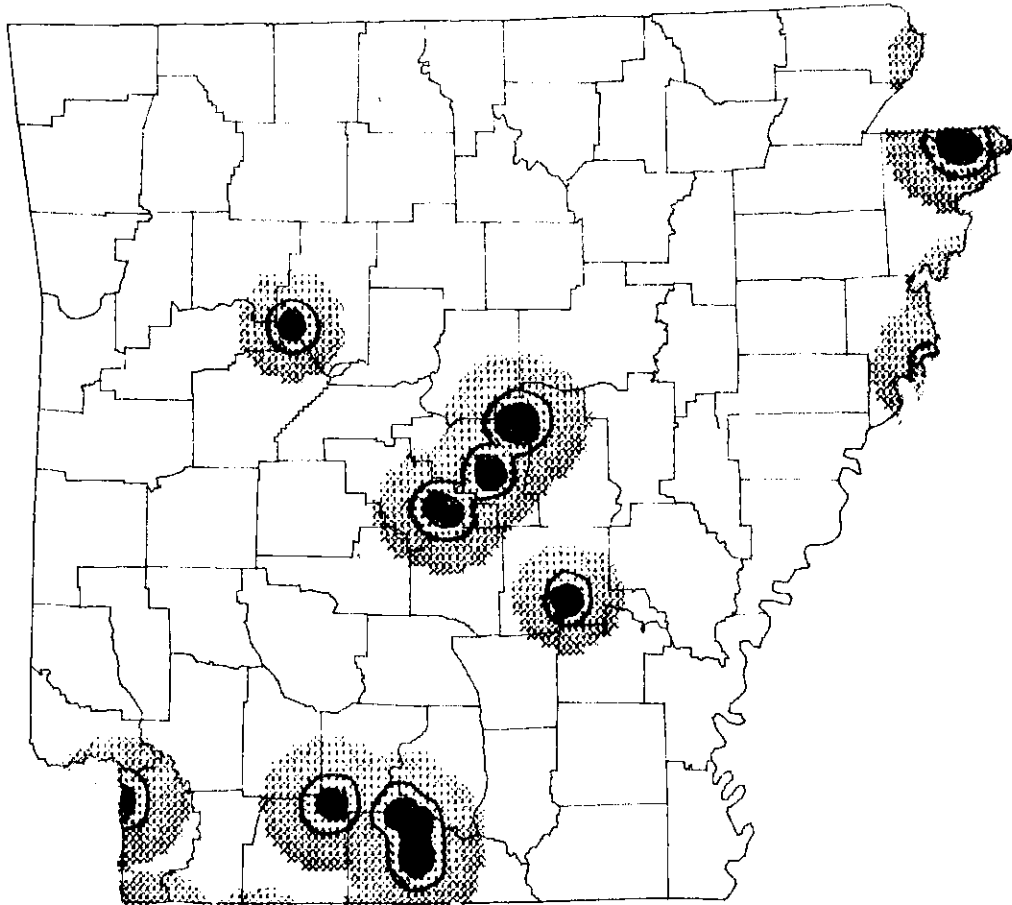
Black Area: Equal to or greater than 5.0 psi  
Ringed Area: Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi



F E M A R E G I O N V I - - D I R E C T E F F E C T S & F I R E R I S K S

| STATE/DATA | TOTALS          | VERY HIGH     |               |               |               | HIGH          |            | MEDIUM      |             | LOW |  | NONE<br>LT .5 psi |
|------------|-----------------|---------------|---------------|---------------|---------------|---------------|------------|-------------|-------------|-----|--|-------------------|
|            |                 | GT 10 psi     | 5 to 10 psi   | 2 to 5 psi    | .5 to 2 psi   | 5 to 10 psi   | 2 to 5 psi | .5 to 2 psi | 5 to 10 psi |     |  |                   |
| ARKANSAS   | 2363641 (1.00)  | 131262 (.06)  | 117493 (.13)  | 294869 (.21)  | 288032 (.16)  | 1531985 (.65) |            |             |             |     |  |                   |
| Land Area  | 52082 (1.00)    | 265 (xxx)     | 333 (.01)     | 1291 (.02)    | 6009 (.12)    | 44184 (.85)   |            |             |             |     |  |                   |
| LOUISIANA  | 4525019 (1.00)  | 784371 (.17)  | 806928 (.05)  | 705803 (.12)  | 785040 (.19)  | 1442877 (.32) |            |             |             |     |  |                   |
| Land Area  | 44520 (1.00)    | 1095 (.02)    | 1095 (.02)    | 3438 (.08)    | 11998 (.27)   | 27158 (.61)   |            |             |             |     |  |                   |
| NEW MEXICO | 1460783 (1.00)  | 242269 (.16)  | 131289 (.18)  | 363755 (.16)  | 286246 (.12)  | 437224 (.30)  |            |             |             |     |  |                   |
| Land Area  | 121336 (1.00)   | 545 (xxx)     | 555 (xxx)     | 2826 (.02)    | 10331 (.09)   | 107709 (.89)  |            |             |             |     |  |                   |
| OKLAHOMA   | 3364919 (1.00)  | 365265 (.11)  | 427257 (.09)  | 634233 (.25)  | 744644 (.17)  | 1193520 (.35) |            |             |             |     |  |                   |
| Land Area  | 68656 (1.00)    | 661 (.01)     | 762 (.01)     | 2962 (.04)    | 14553 (.21)   | 49718 (.72)   |            |             |             |     |  |                   |
| TEXAS      | 16426000 (1.00) | 3169088 (.19) | 2191289 (.13) | 3872412 (.19) | 3146160 (.20) | 4047051 (.25) |            |             |             |     |  |                   |
| Land Area  | 261989 (1.00)   | 2401 (.01)    | 2603 (.01)    | 9120 (.03)    | 37125 (.14)   | 210470 (.80)  |            |             |             |     |  |                   |
| REGION VI  | 28140362 (1.00) | 4692255 (.17) | 3674256 (.13) | 5871072 (.21) | 5250122 (.19) | 8652657 (.31) |            |             |             |     |  |                   |
| Land Area  | 548583 (1.00)   | 4703 (.01)    | 5348 (.01)    | 19637 (.04)   | 80016 (.15)   | 439536 (.80)  |            |             |             |     |  |                   |

(xxx) Less than 1 percent

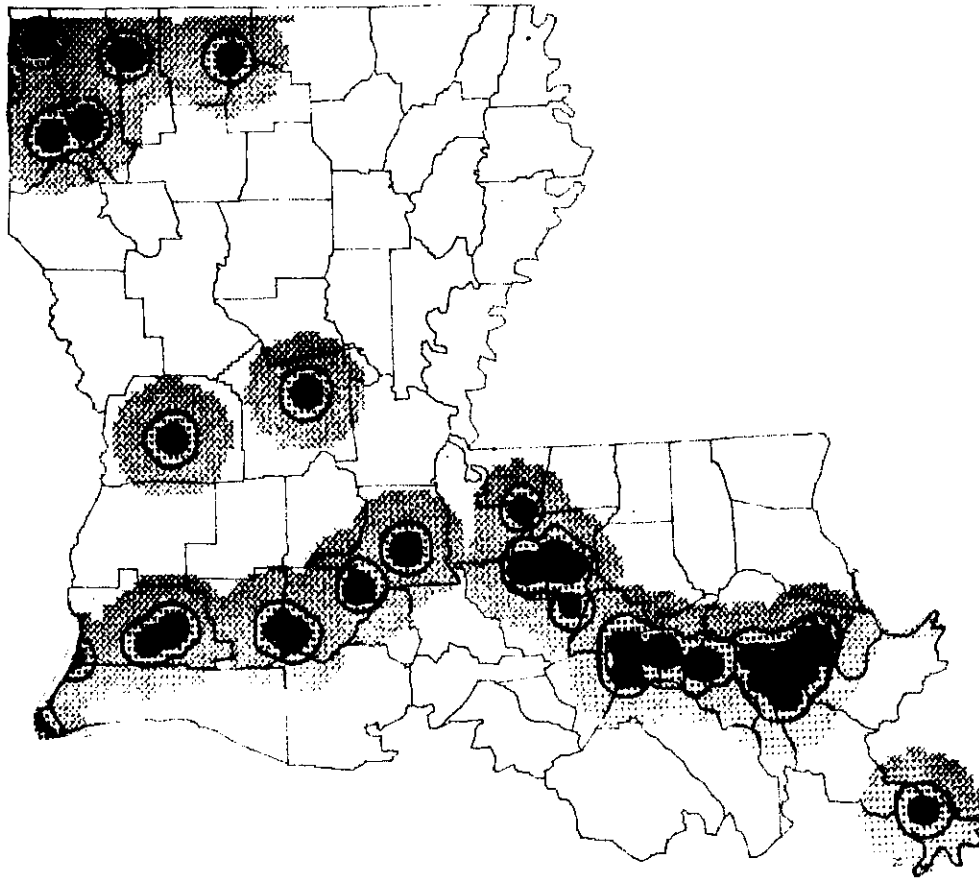


SCALE 1:2500000  
ALBERS EQUAL AREA PROJECTION

DIRECT EFFECTS RISK AREAS

FEMA REGION VI - ARKANSAS

Black Area: Equal to or greater than 5.0 psi  
Ringed Area: Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi

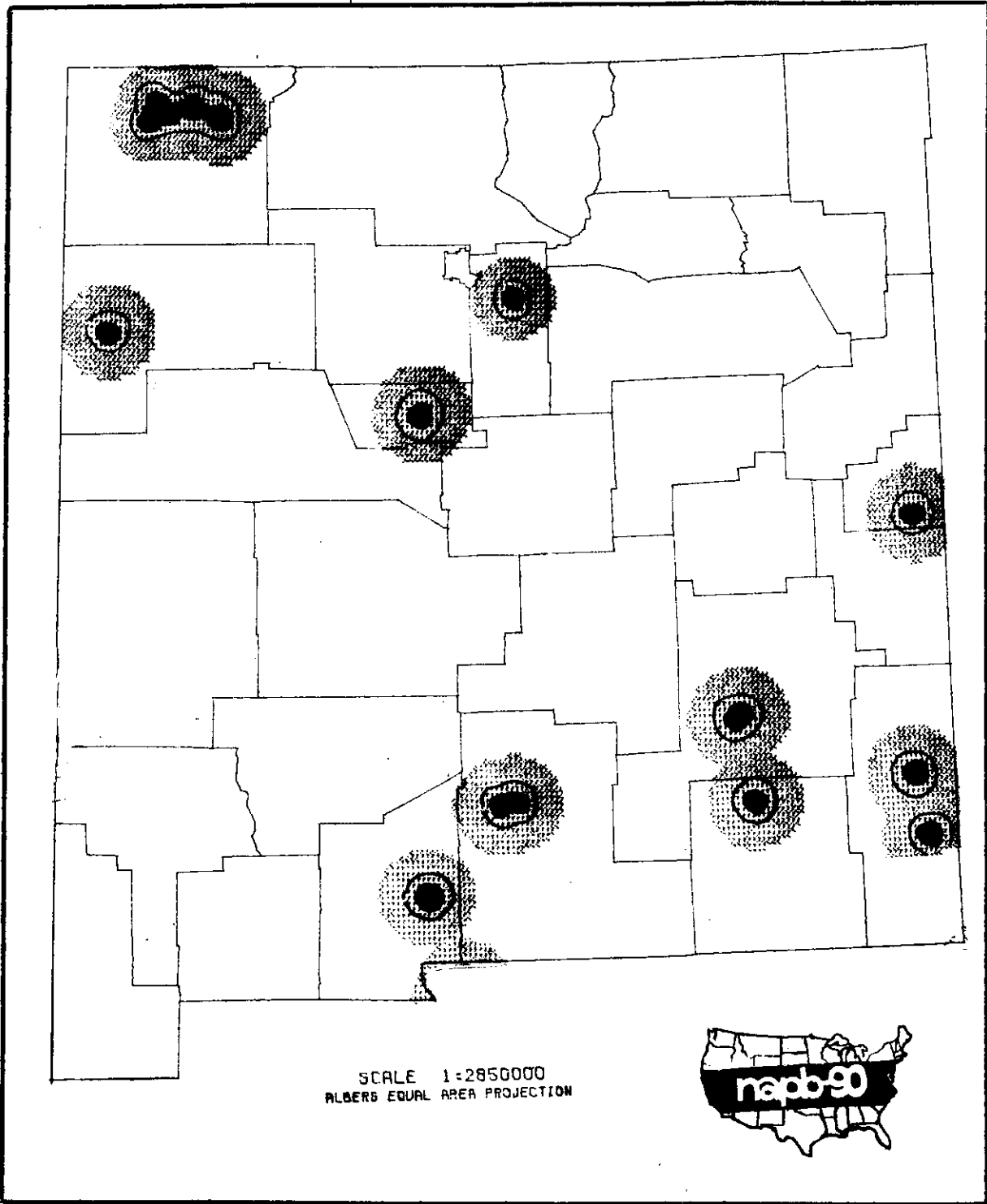


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ALBERS EQUAL AREA PROJECTION

DIRECT EFFECTS RISK AREAS

FEMA REGION VI - LOUISIANA

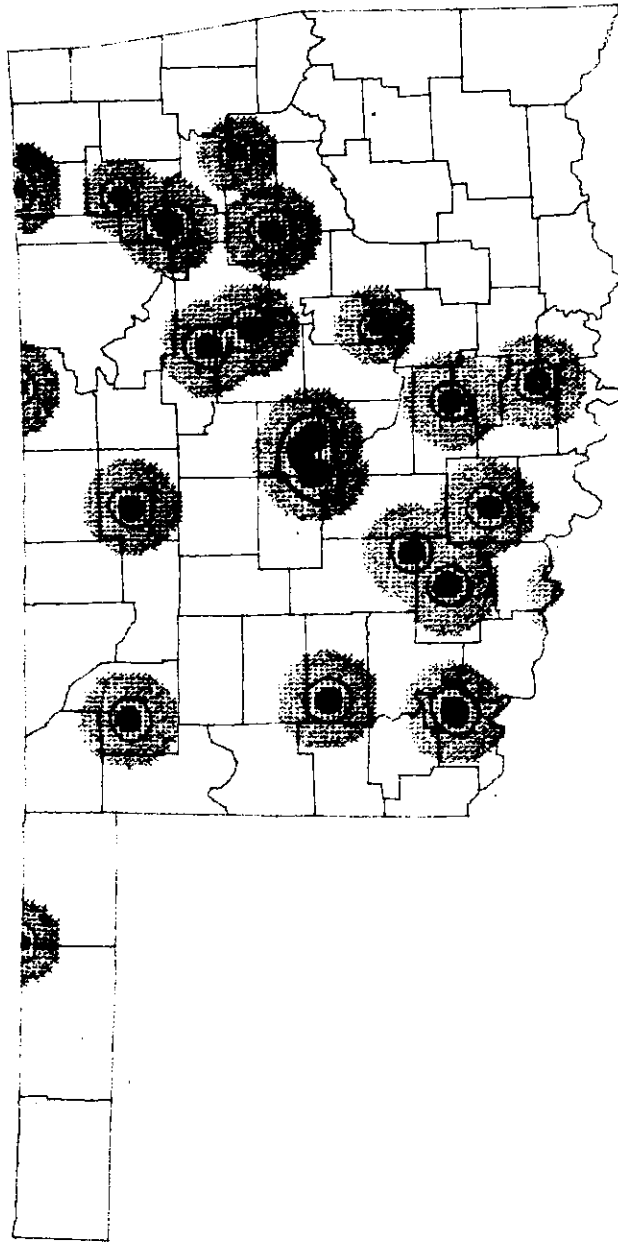
- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



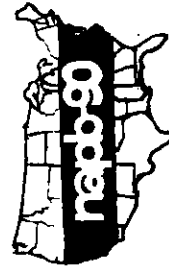
DIRECT EFFECTS RISK AREAS

FEMA REGION VI - NEW MEXICO

Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



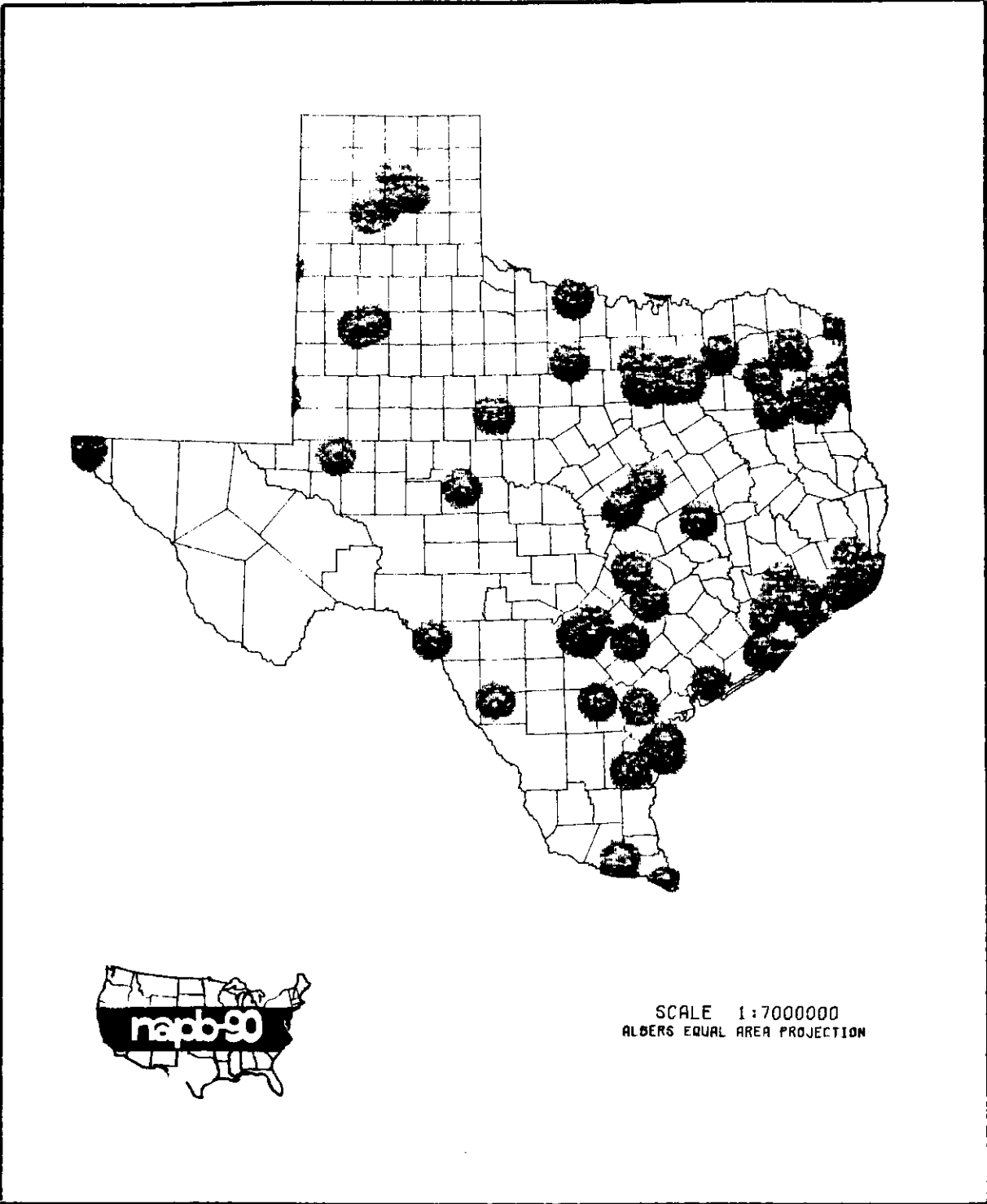
SCALE 1:3500000  
ALBERS EQUAL AREA PROJECTION



DIRECT EFFECTS RISK AREAS

FEMA REGION VI - OKLAHOMA.

Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

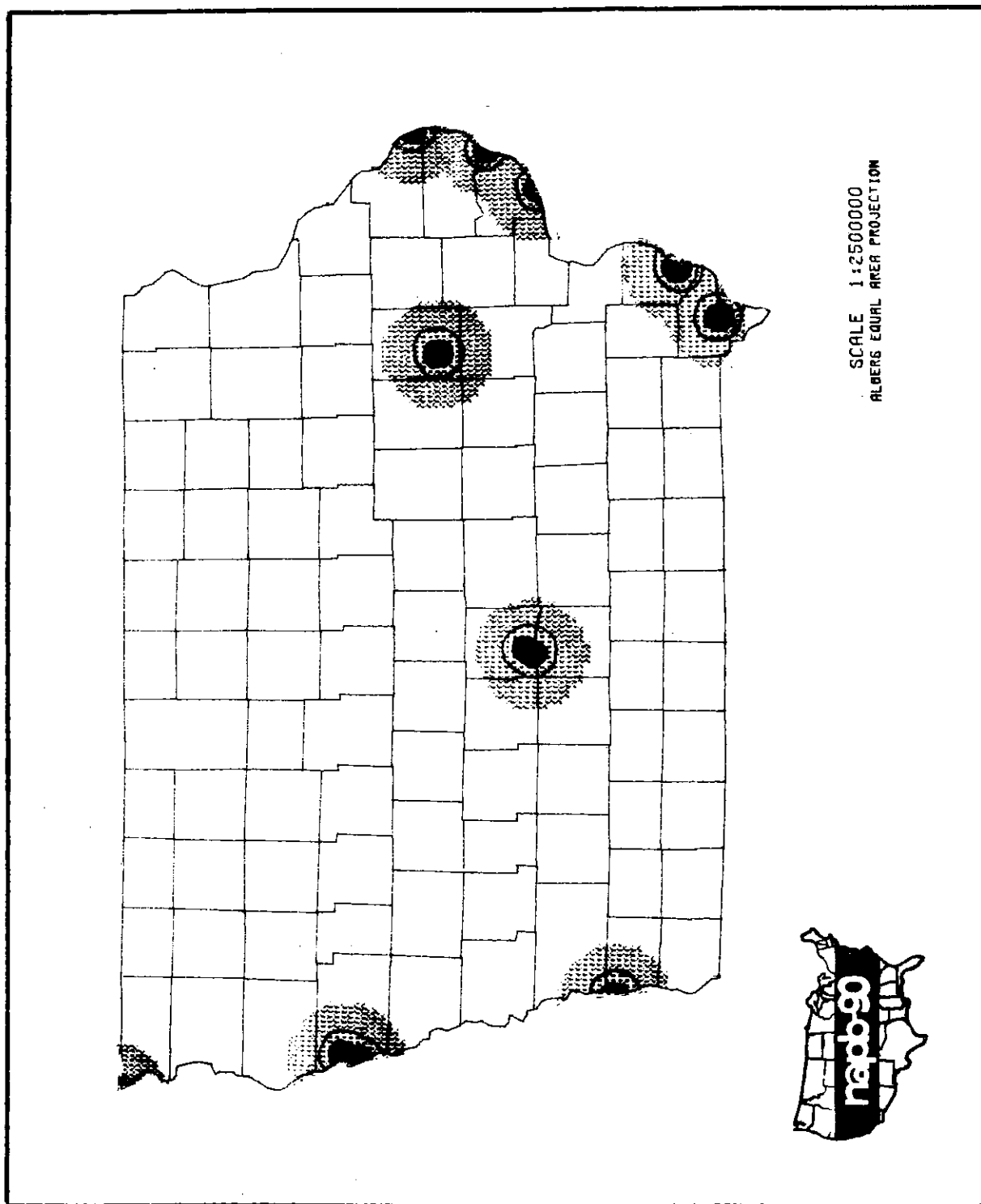
FEMA REGION VI - TEXAS

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi

F E M A R E G I O N V I I - - D I R E C T E F F E C T S & F I R E R I S K S

| STATE/DATA | TOTALS                           | VERY HIGH<br>Gt 10 psi      | HIGH<br>5 to 10 psi         | MEDIUM<br>2 to 5 psi         | LOW<br>.5 to 2 psi           | NONE<br>LT .5 psi             |
|------------|----------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-------------------------------|
| IOWA       | 2906939 (1.00)<br>55964 (1.00)   | 226352 (.08)<br>249 (xxx)   | 165728 (.06)<br>301 (.01)   | 292060 (.10)<br>1153 (.02)   | 338110 (.12)<br>4783 (.09)   | 1884689 (.65)<br>49496 (.88)  |
| KANSAS     | 2454933 (1.00)<br>81792 (1.00)   | 453042 (.18)<br>608 (.01)   | 173379 (.07)<br>693 (.01)   | 401889 (.16)<br>2741 (.03)   | 541493 (.22)<br>13420 (.16)  | 885130 (.36)<br>64330 (.79)   |
| MISSOURI   | 4968558 (1.00)<br>68576 (1.00)   | 967727 (.20)<br>2936 (.04)  | 603807 (.12)<br>2571 (.04)  | 936030 (.19)<br>6247 (.09)   | 601981 (.12)<br>8262 (.13)   | 1859013 (.37)<br>48194 (.70)  |
| NEBRASKA   | 1614811 (1.00)<br>76639 (1.00)   | 171719 (.11)<br>878 (.01)   | 78721 (.05)<br>1148 (.01)   | 170700 (.11)<br>3322 (.04)   | 449803 (.28)<br>5454 (.07)   | 743868 (.46)<br>65837 (.86)   |
| REGION VII | 11925241 (1.00)<br>282971 (1.00) | 1818840 (.15)<br>4671 (.02) | 1021635 (.09)<br>4713 (.02) | 1827679 (.15)<br>13463 (.05) | 1931387 (.16)<br>31919 (.11) | 5325700 (.45)<br>227857 (.81) |

(xxx) Less than 1 percent

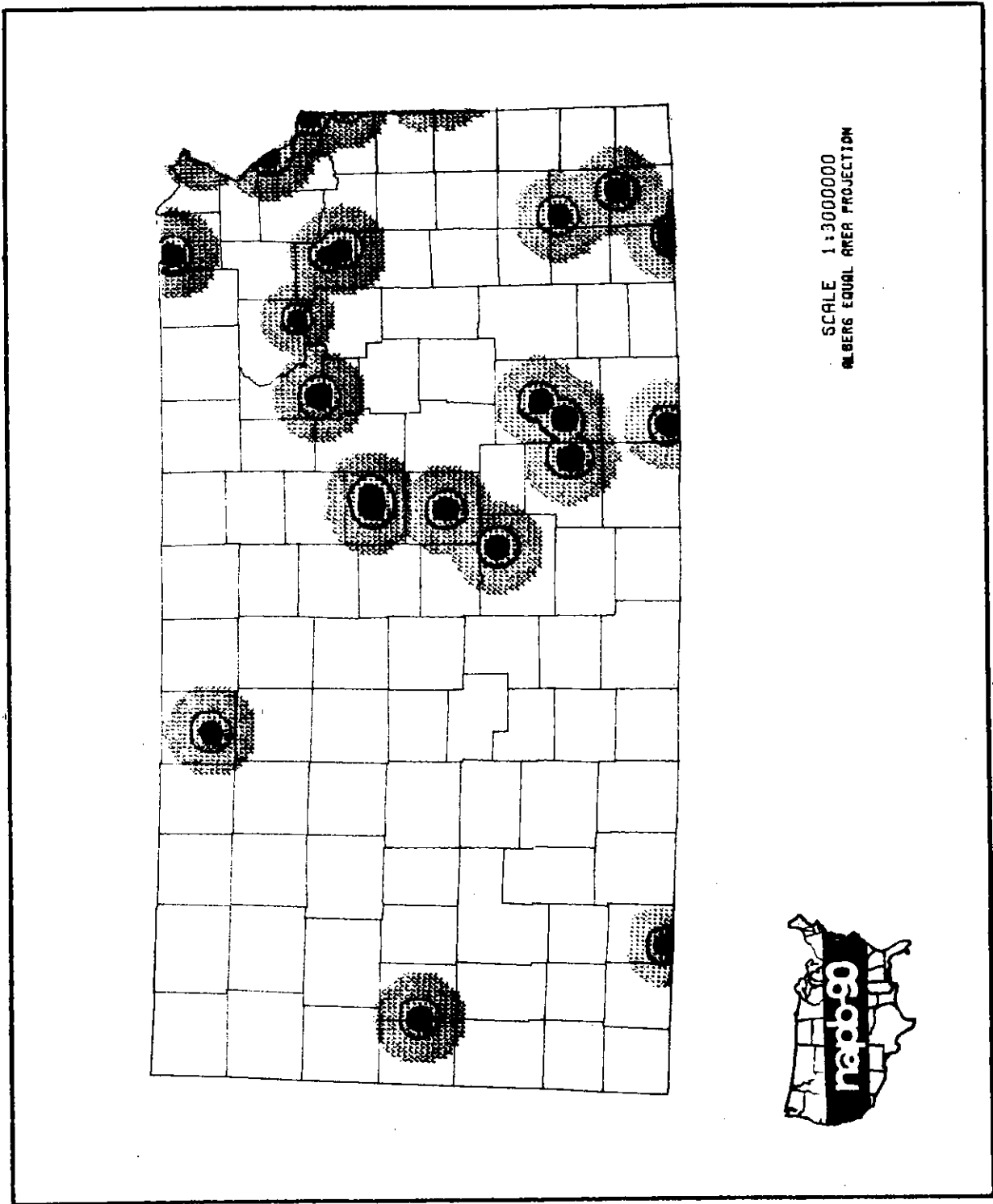


DIRECT EFFECTS RISK AREAS

FEMA REGION VII - IOWA

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi

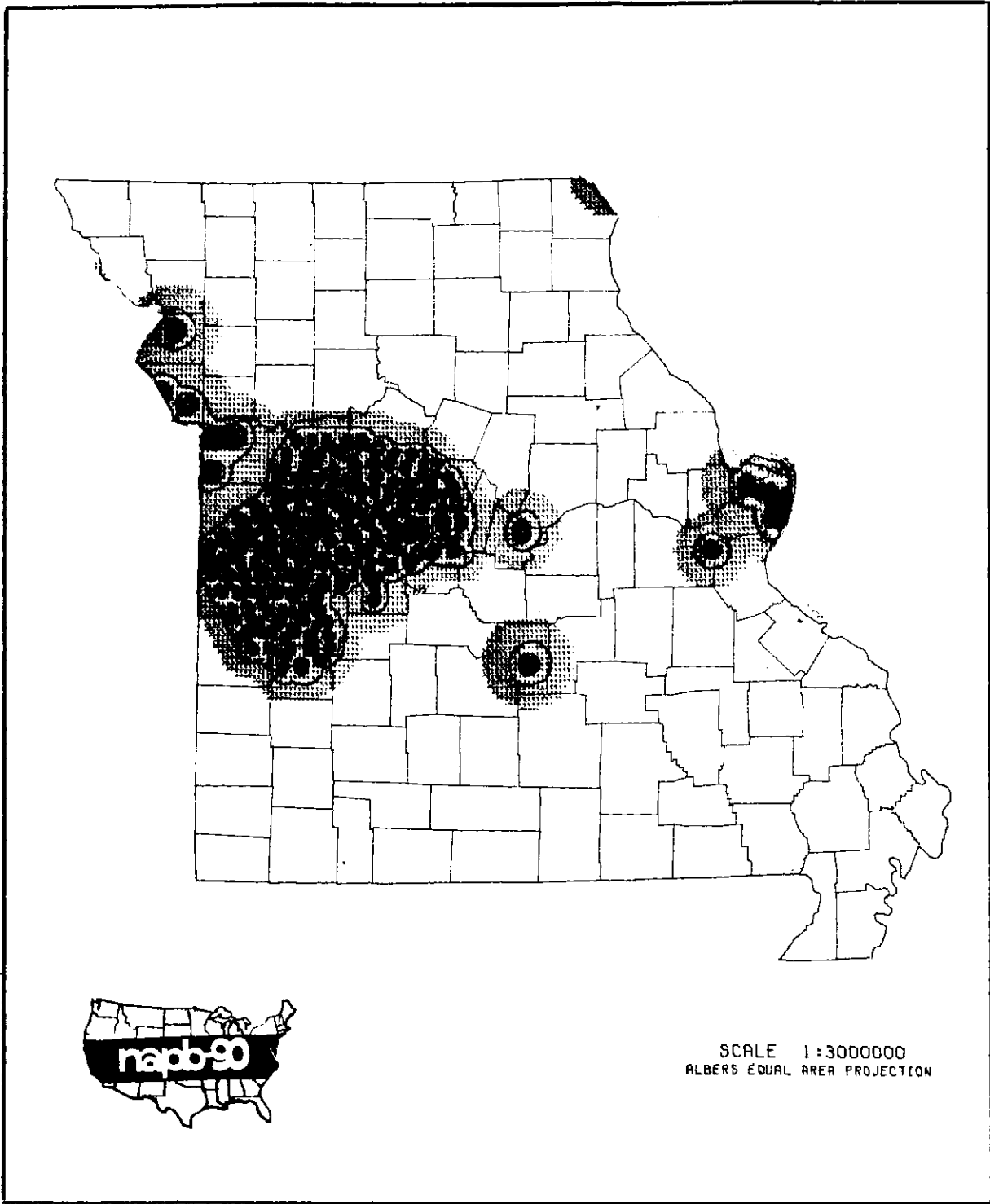




DIRECT EFFECTS RISK AREAS

FEMA REGION VII - KANSAS

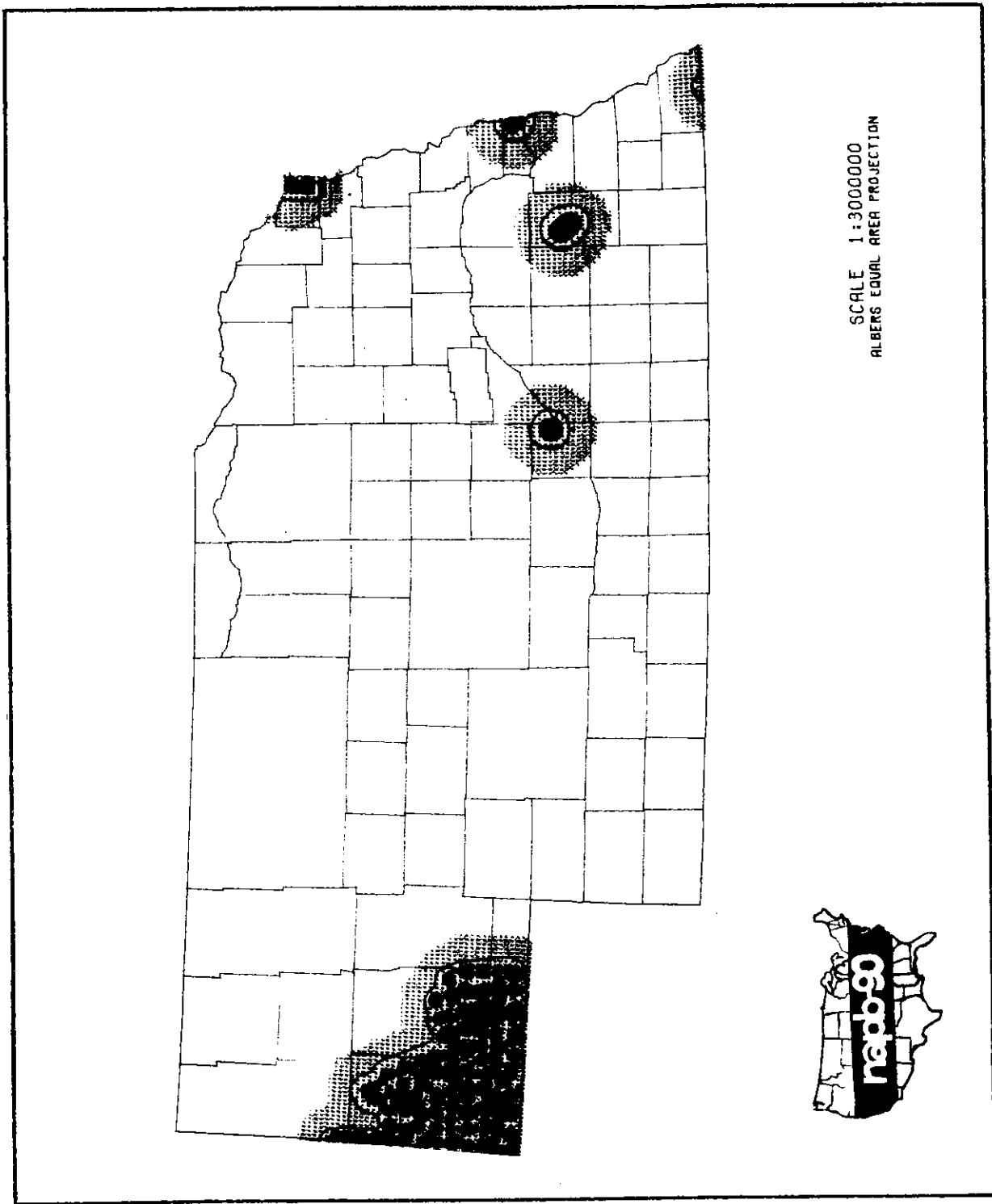
Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION VII - MISSOURI

Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

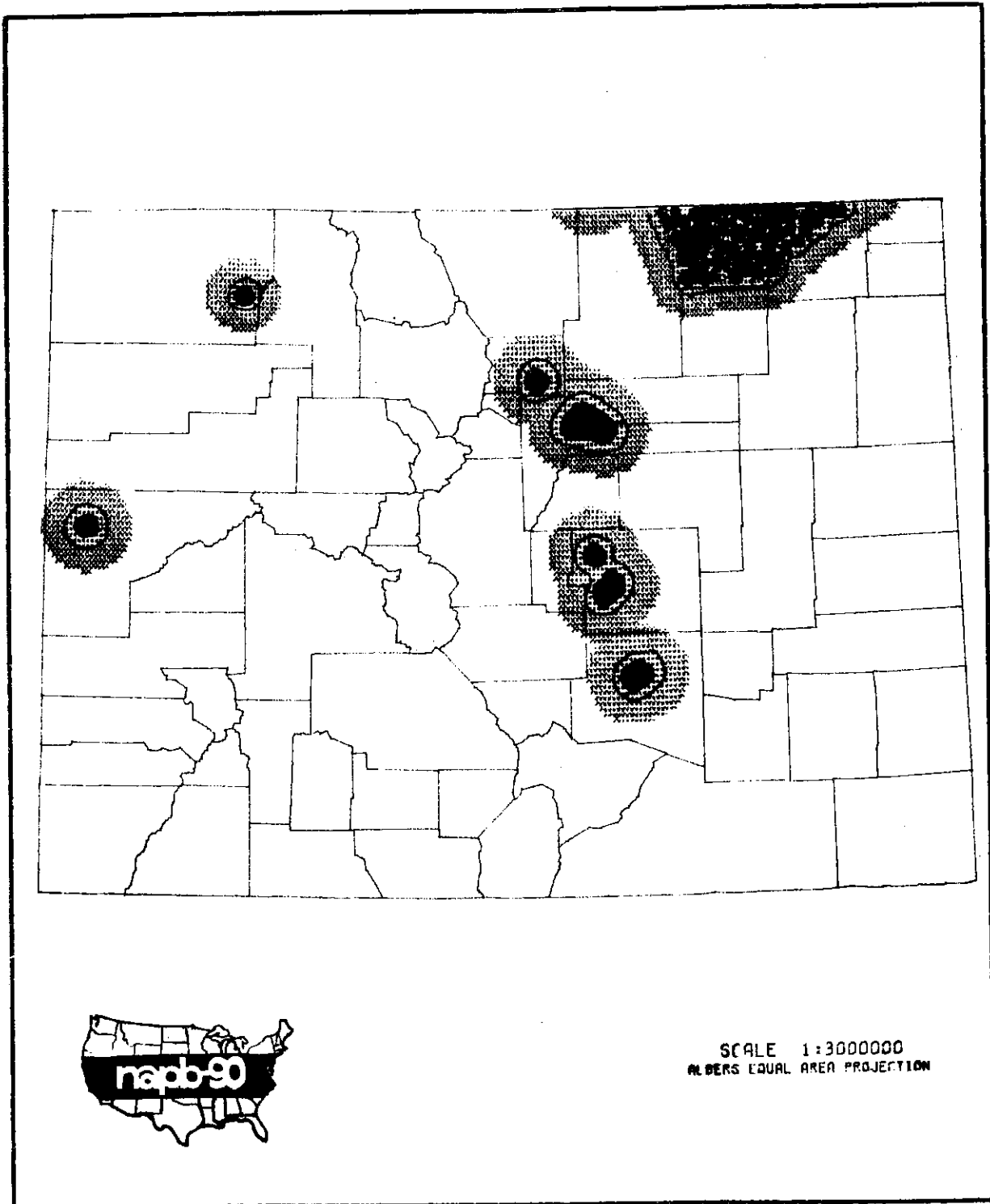
FEMA REGION VII - NEBRASKA

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi

F E M A R E G I O N V I I I - - D I R E C T E F F E C T S & F I R E R I S K S

| STATE/DATA   | TOTALS         | VERY HIGH<br>GT 10 psi | HIGH<br>5 to 10 psi | MEDIUM<br>2 to 5 psi | LOW<br>.5 to 2 psi | NONE<br>LT .5 psi |
|--------------|----------------|------------------------|---------------------|----------------------|--------------------|-------------------|
|              |                |                        |                     |                      |                    |                   |
| COLORADO     | 3250118 (1.00) | 757230 (.23)           | 369050 (.11)        | 641107 (.20)         | 648655 (.20)       | 834076 (.26)      |
| Land Area    | 103652 (1.00)  | 883 (.01)              | 1043 (.01)          | 2777 (.03)           | 174 (xxx)          | 98775 (.95)       |
| MONTANA      | 832872 (1.00)  | 216472 (.27)           | 72913 (.08)         | 56899 (.07)          | 36289 (.05)        | 450299 (.53)      |
| Land Area    | 145365 (1.00)  | 3190 (.02)             | 3107 (.02)          | 10943 (.08)          | 19123 (.13)        | 109002 (.75)      |
| NORTH DAKOTA | 697576 (1.00)  | 185802 (.27)           | 34321 (.04)         | 84588 (.11)          | 115679 (.17)       | 277186 (.40)      |
| Land Area    | 69344 (1.00)   | 5581 (.08)             | 5322 (.08)          | 9262 (.13)           | 15770 (.23)        | 33409 (.48)       |
| SOUTH DAKOTA | 708728 (1.00)  | 92921 (.13)            | 27469 (.04)         | 58215 (.08)          | 76474 (.11)        | 453649 (.63)      |
| Land Area    | 75956 (1.00)   | 2687 (.04)             | 2434 (.03)          | 5321 (.07)           | 7802 (.10)         | 57732 (.76)       |
| UTAH         | 1698867 (1.00) | 332028 (.19)           | 506954 (.30)        | 318150 (.19)         | 243378 (.14)       | 298357 (.18)      |
| Land Area    | 82094 (1.00)   | 349 (xxx)              | 582 (.01)           | 1566 (.02)           | 6676 (.08)         | 72921 (.89)       |
| WYOMING      | 521570 (1.00)  | 161633 (.31)           | 51107 (.10)         | 25544 (.06)          | 22278 (.04)        | 261008 (.50)      |
| Land Area    | 97086 (1.00)   | 1428 (.01)             | 1720 (.02)          | 4581 (.05)           | 10950 (.11)        | 78407 (.81)       |
| REGION VIII  | 7709731 (1.00) | 1746086 (.23)          | 1061814 (.14)       | 1184503 (.15)        | 1143293 (.15)      | 2574035 (.33)     |
| Land Area    | 573497 (1.00)  | 14118 (.02)            | 14208 (.02)         | 34450 (.06)          | 60495 (.11)        | 450246 (.79)      |

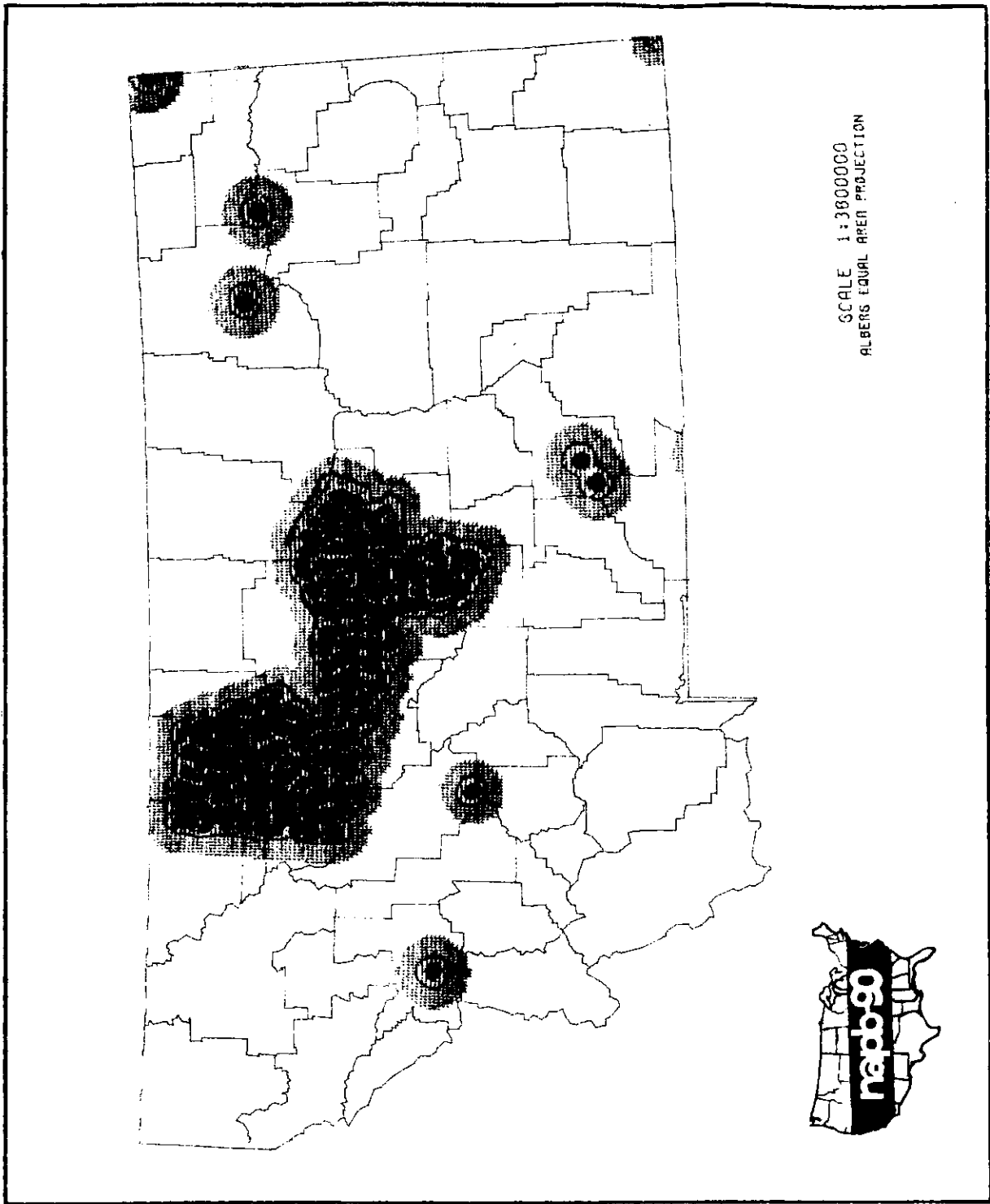
(xxx) Less than 1 percent



DIRECT EFFECTS RISK AREAS

FEMA REGION VIII - COLORADO

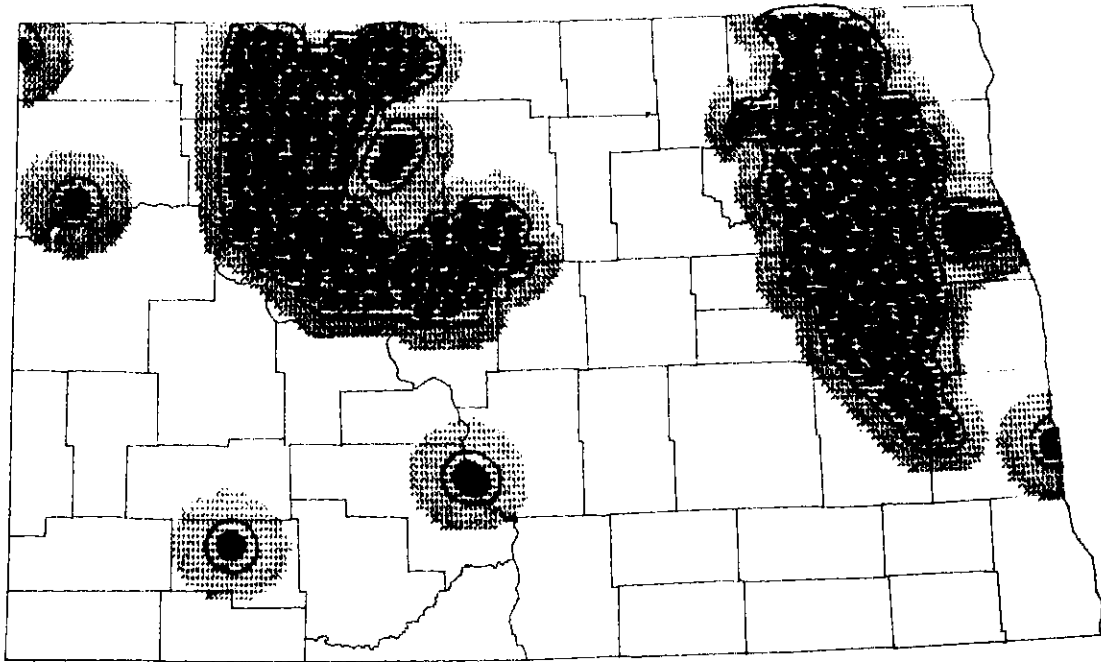
- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION VIII - MONTANA

Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi

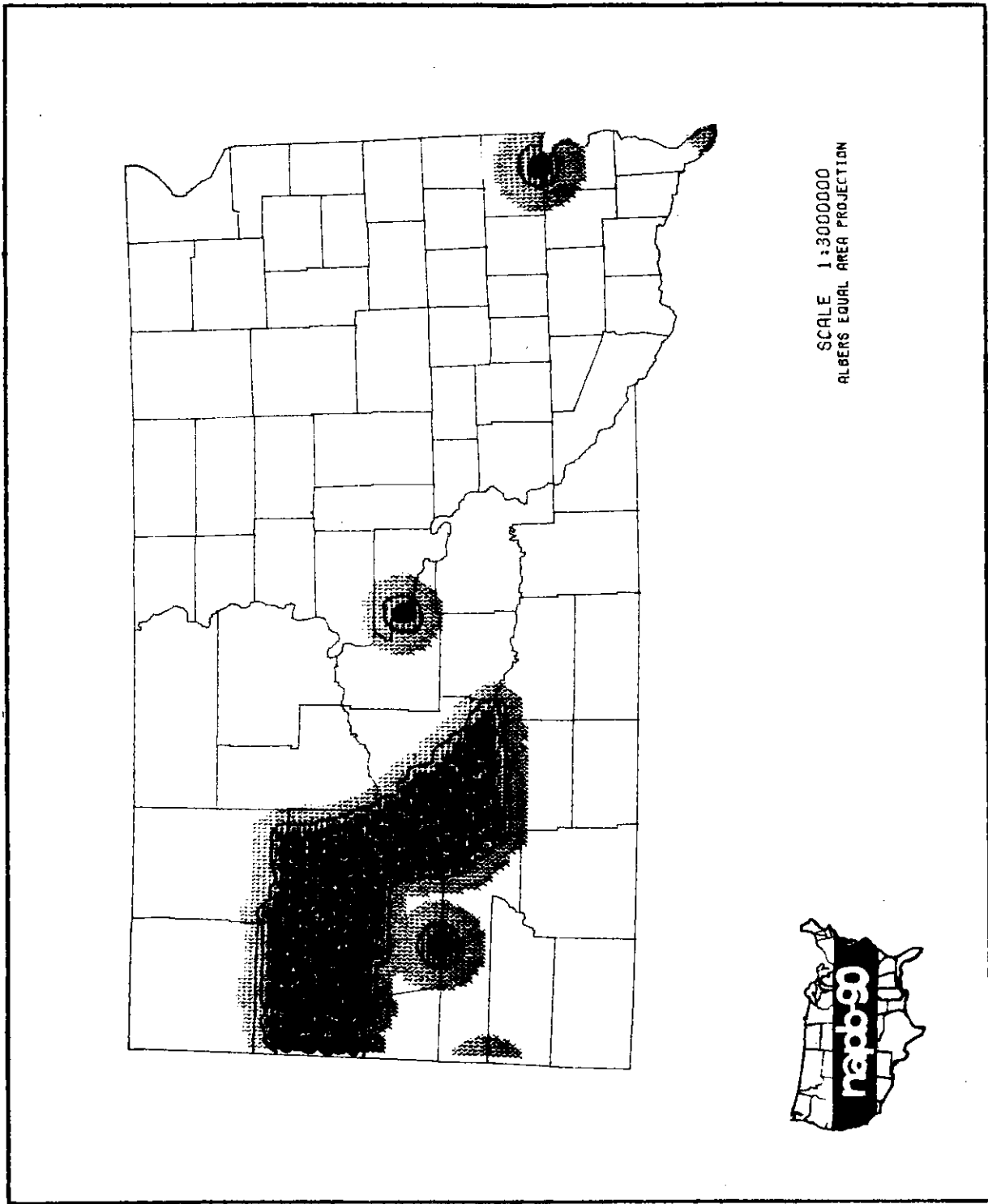


SCALE 1:3000000  
ALBERS EQUAL AREA PROJECTION

DIRECT EFFECTS RISK AREAS

FEMA REGION VIII - NORTH DAKOTA

Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi

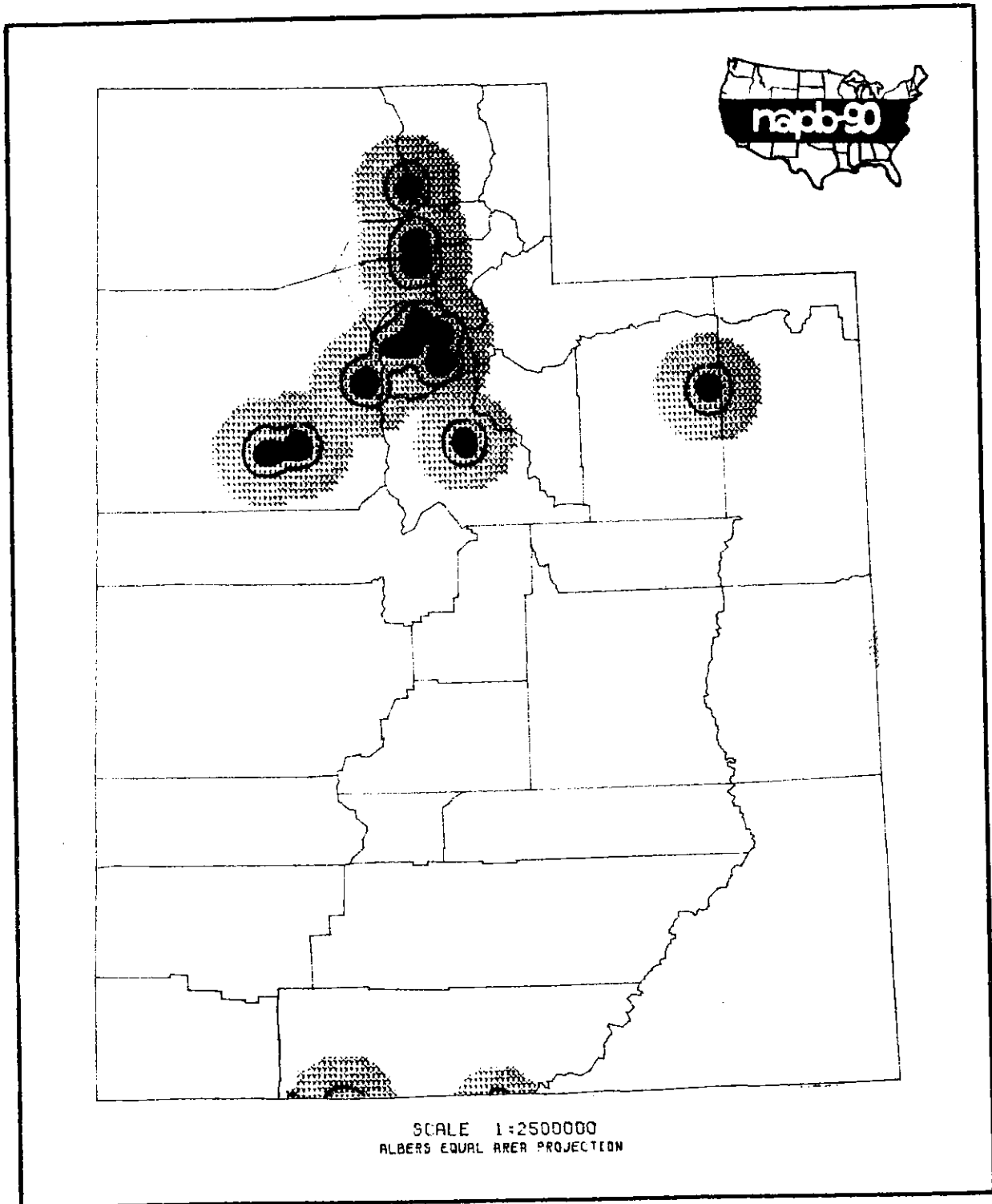


DIRECT EFFECTS RISK AREAS

FEMA REGION VIII - SOUTH DAKOTA

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi

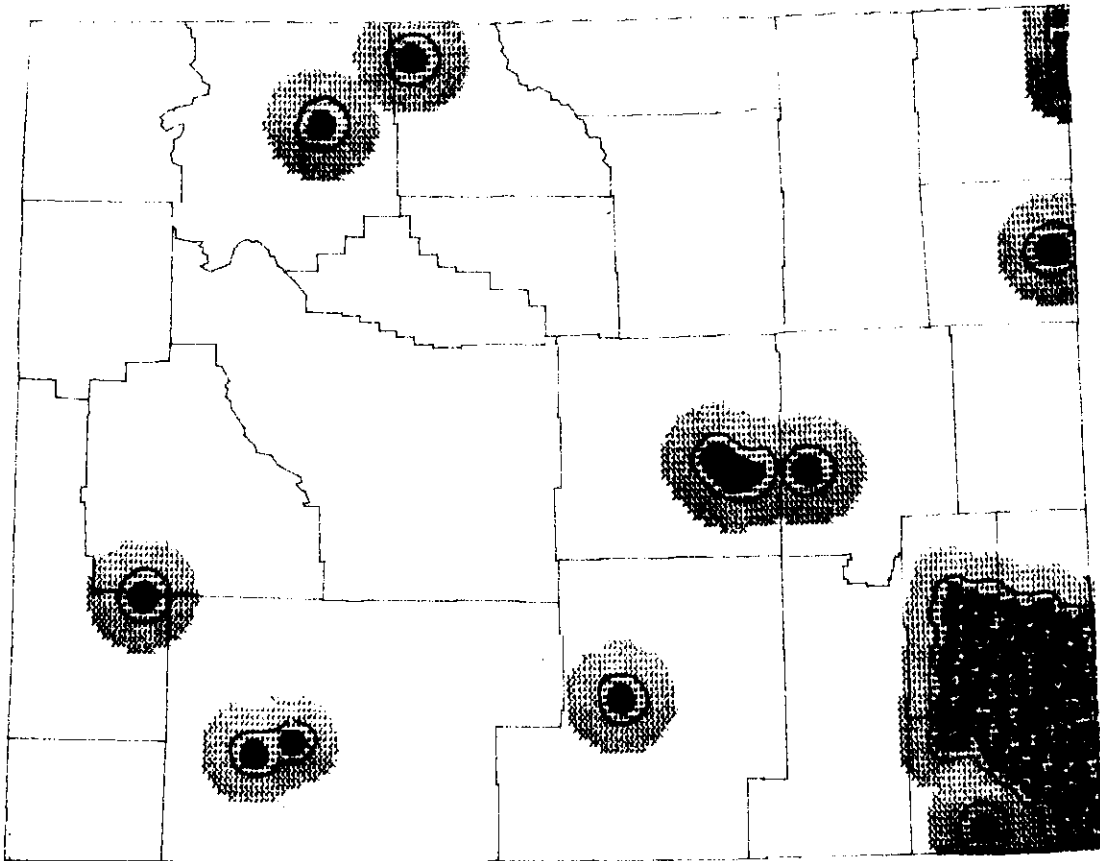




DIRECT EFFECTS RISK AREAS

FEMA REGION VIII - UTAH

Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



SCALE 1:3000000  
ALBERS EQUAL AREA PROJECTION

DIRECT EFFECTS RISK AREAS

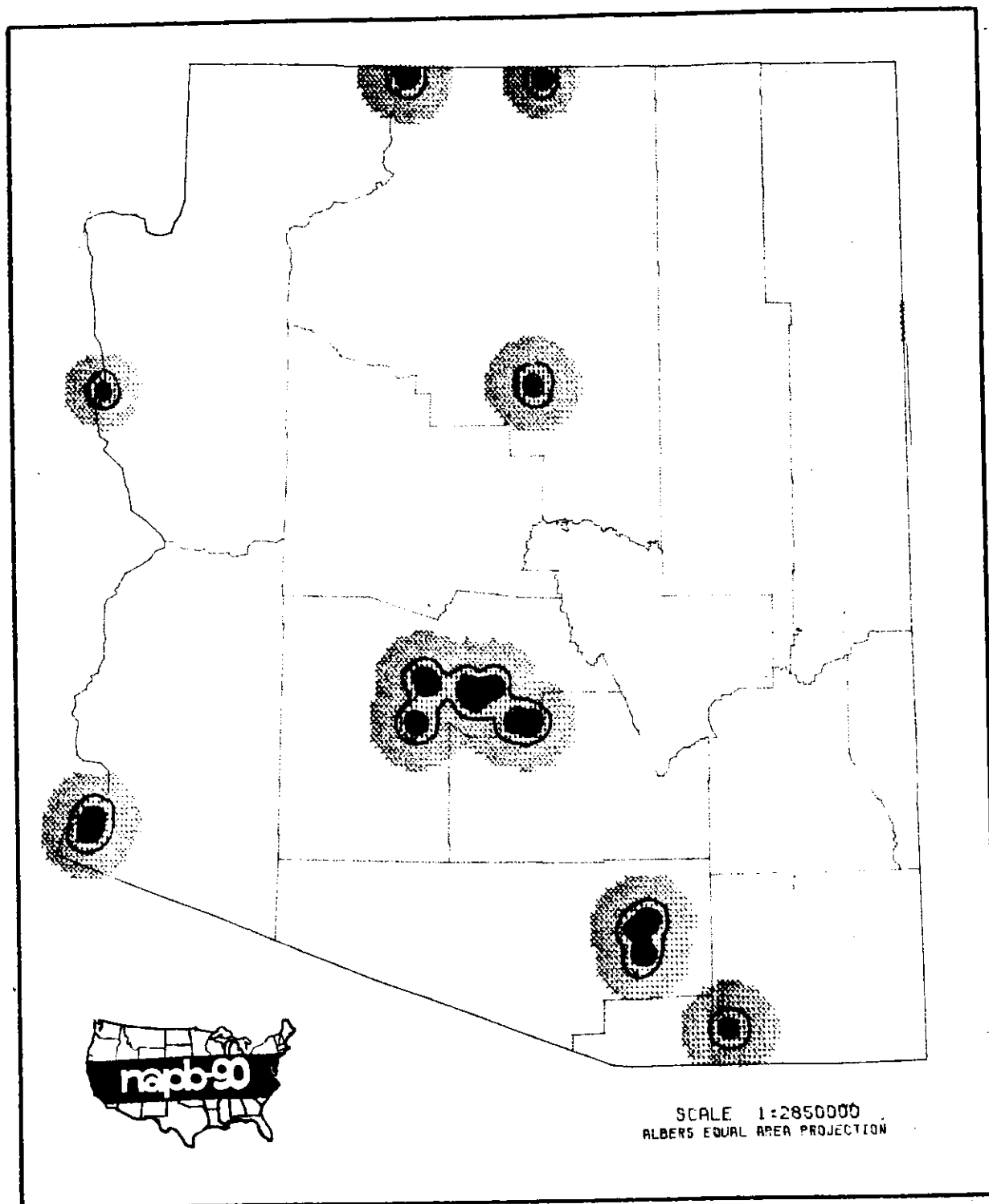
FEMA REGION VIII - WYOMING

Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi

F E M A R E G I O N I X - - D I R E C T E F F E C T S & F I R E R I S K S

| STATE/DATA  | TOTALS          | HIGH                   |               |                      |               | MEDIUM        |             | LOW         |  | NONE |
|-------------|-----------------|------------------------|---------------|----------------------|---------------|---------------|-------------|-------------|--|------|
|             |                 | VERY HIGH<br>GT 10 psi | 5 to 10 psi   | 5 to 10 psi<br>(xxx) | 2 to 5 psi    | 2 to 5 psi    | .5 to 2 psi | .5 to 2 psi |  |      |
| ARIZONA     |                 |                        |               |                      |               |               |             |             |  |      |
| Population  | 3138988 (1.00)  | 583952 (.18)           | 384090 (.12)  | 1105668 (.35)        | 469613 (.15)  | 595665 (.19)  |             |             |  |      |
| Land Area   | 113550 (1.00)   | 640 (.01)              | 503 (xxx)     | 2158 (.02)           | 7713 (.07)    | 102536 (.90)  |             |             |  |      |
| CALIFORNIA  |                 |                        |               |                      |               |               |             |             |  |      |
| Population  | 26105844 (1.00) | 8712562 (.33)          | 4797722 (.03) | 6871350 (.26)        | 3085422 (.12) | 2638788 (.10) |             |             |  |      |
| Land Area   | 156279 (1.00)   | 3550 (.02)             | 3015 (.02)    | 9527 (.06)           | 36501 (.23)   | 103686 (.66)  |             |             |  |      |
| HAWAII      |                 |                        |               |                      |               |               |             |             |  |      |
| Population  | 1057270 (1.00)  | 327778 (.31)           | 105940 (.10)  | 186162 (.18)         | 250400 (.24)  | 186990 (.17)  |             |             |  |      |
| Land Area   | 6427 (1.00)     | *                      | *             | *                    | *             | *             |             |             |  |      |
| NEVADA      |                 |                        |               |                      |               |               |             |             |  |      |
| Population  | 938191 (1.00)   | 249851 (.27)           | 159296 (.17)  | 312581 (.33)         | 112158 (.12)  | 104305 (.12)  |             |             |  |      |
| Land Area   | 109895 (1.00)   | 328 (xxx)              | 365 (xxx)     | 1402 (xxx)           | 6226 (.06)    | 101574 (.92)  |             |             |  |      |
| SAMOA       |                 |                        |               |                      |               |               |             |             |  |      |
| Population  | 35000 (1.00)    | *                      | *             | *                    | *             | *             |             |             |  |      |
| Land Area   | 77 (1.00)       | *                      | *             | *                    | *             | *             |             |             |  |      |
| GUAM        |                 |                        |               |                      |               |               |             |             |  |      |
| Population  | 112900 (1.00)   | *                      | *             | *                    | *             | *             |             |             |  |      |
| Land Area   | 209 (1.00)      | *                      | *             | *                    | *             | *             |             |             |  |      |
| TRUST TERR. |                 |                        |               |                      |               |               |             |             |  |      |
| Population  | 116149 (1.00)   | *                      | *             | *                    | *             | *             |             |             |  |      |
| Land Area   | 533 (1.00)      | *                      | *             | *                    | *             | *             |             |             |  |      |
| REGION IX   |                 |                        |               |                      |               |               |             |             |  |      |
| Population  | 31504342 (1.00) | 9874143 (.31)          | 5447048 (.17) | 8475761 (.27)        | 3917593 (.12) | 3789797 (.09) |             |             |  |      |
| Land Area   | 386970 (1.00)   | 4518 (.01)             | 3883 (.01)    | 13087 (.03)          | 50440 (.13)   | 323363 (.84)  |             |             |  |      |

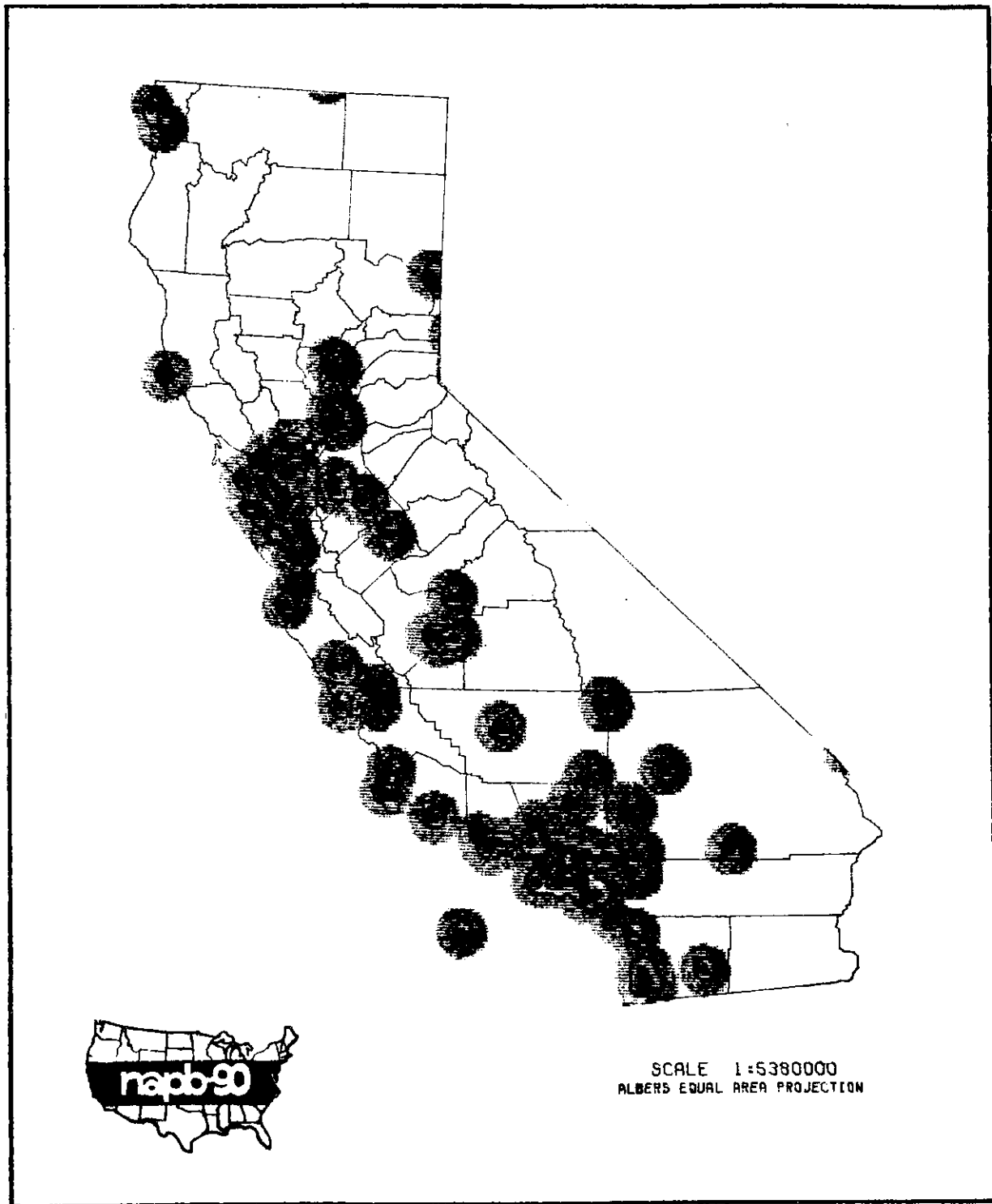
(xxx) Less than one percent  
\* Data will be made available seperately



DIRECT EFFECTS RISK AREAS

FEMA REGION IX - ARIZONA

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION IX - CALIFORNIA

Black Area: Equal to or greater than 5.0 psi  
Ringed Area: Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi

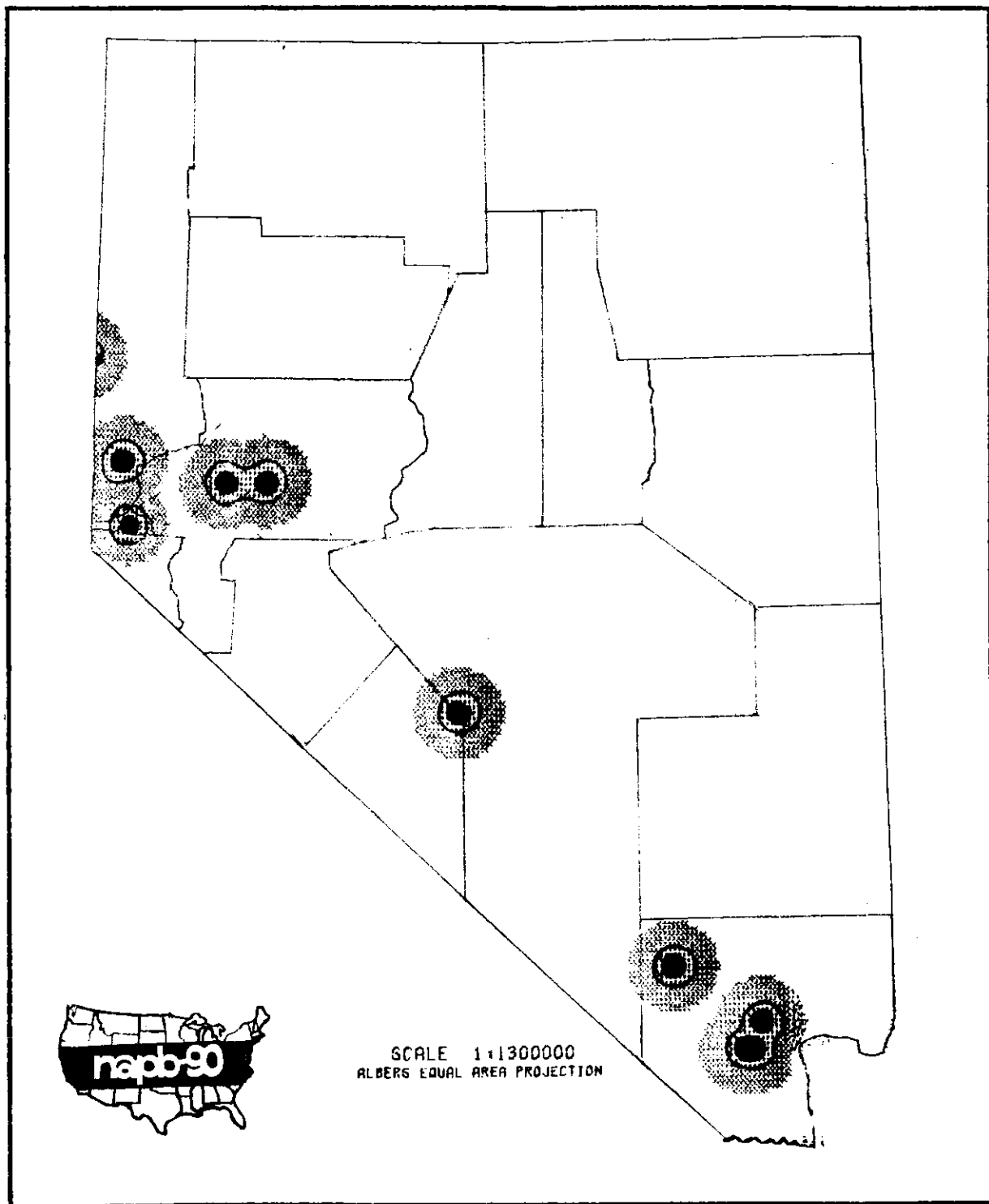
[MAP WILL BE FURNISHED SEPARATELY]

D I R E C T   E F F E C T S   R I S K   A R E A S

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FEMA REGION IX - HAWAII

Black Area:    Equal to or greater than 5.0 psi  
Ringed Area:   Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi



D I R E C T   E F F E C T S   R I S K   A R E A S

---

FEMA REGION IX - NEVADA

Black Area:    Equal to or greater than 5.0 psi  
 Ringed Area:   Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi

[MAP WILL BE FURNISHED SEPARATELY]

D I R E C T   E F F E C T S   R I S K   A R E A S

---

FEMA REGION IX - AMERICAN SAMOA

Black Area:    Equal to or greater than 5.0 psi  
Ringed Area:    Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi



[MAP WILL BE FURNISHED SEPARATELY]

D I R E C T   E F F E C T S   R I S K   A R E A S

---

FEMA REGION IX - GUAM

Black Area:    Equal to or greater than 5.0 psi  
Ringed Area:    Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi

[MAP WILL BE FURNISHED SEPARATELY]

D I R E C T   E F F E C T S   R I S K   A R E A S

---

FEMA REGION IX - U.S. TRUST TERRITORY

Black Area:    Equal to or greater than 5.0 psi  
Ringed Area:    Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi

F E M A R E G I O N X - - D I R E C T E F F E C T S & F I R E R I S K S

| STATE/DATA | TOTALS   | HIGH                        |                            |                             |                              | MEDIUM                        |             | LOW         |  | NONE<br>LT .5 psi |
|------------|--|-----------------------------|----------------------------|-----------------------------|------------------------------|-------------------------------|-------------|-------------|--|-------------------|
|            |  | VERY HIGH<br>GT 10 psi      | 5 to 10 psi                | 5 to 10 psi                 | 2 to 5 psi                   | 2 to 5 psi                    | .5 to 2 psi | .5 to 2 psi |  |                   |
| ALASKA     | Population<br>534271 (1.00)<br>Land Area<br>570833 (1.00)  | 38557 (.08)<br>*            | 54897 (.09)<br>*           | 102153 (.19)<br>*           | 55463 (.11)<br>*             | 283201 (.53)<br>*             |             |             |  |                   |
| IDAHO      | Population<br>1014218 (1.00)<br>Land Area<br>82414 (1.00)  | 114528 (.11)<br>90 (xxx)    | 74583 (.07)<br>259 (xxx)   | 108834 (.11)<br>836 (.01)   | 126655 (.13)<br>5110 (.06)   | 589618 (.58)<br>76119 (.92)   |             |             |  |                   |
| OREGON     | Population<br>2683926 (1.00)<br>Land Area<br>96187 (1.00)  | 351689 (.13)<br>317 (xxx)   | 162186 (.06)<br>318 (xxx)  | 369500 (.14)<br>1375 (.01)  | 527477 (.20)<br>6375 (.07)   | 1273074 (.40)<br>87802 (.91)  |             |             |  |                   |
| WASHINGTON | Population<br>4402272 (1.00)<br>Land Area<br>66512 (1.00)  | 1049095 (.24)<br>957 (.01)  | 516498 (.12)<br>937 (.01)  | 809564 (.18)<br>3618 (.05)  | 1239731 (.05)<br>15384 (.23) | 787384 (.18)<br>45616 (.69)   |             |             |  |                   |
| REGION X   | Population<br>8634750 (1.00)<br>Land Area<br>815946 (1.00) | 1553869 (.18)<br>1364 (xxx) | 808164 (.09)<br>1514 (xxx) | 1390051 (.16)<br>5829 (.01) | 1949326 (.23)<br>26869 (.03) | 2933340 (.34)<br>780370 (.96) |             |             |  |                   |

(xxx) Less than 1 percent

\* Data will be made available separately

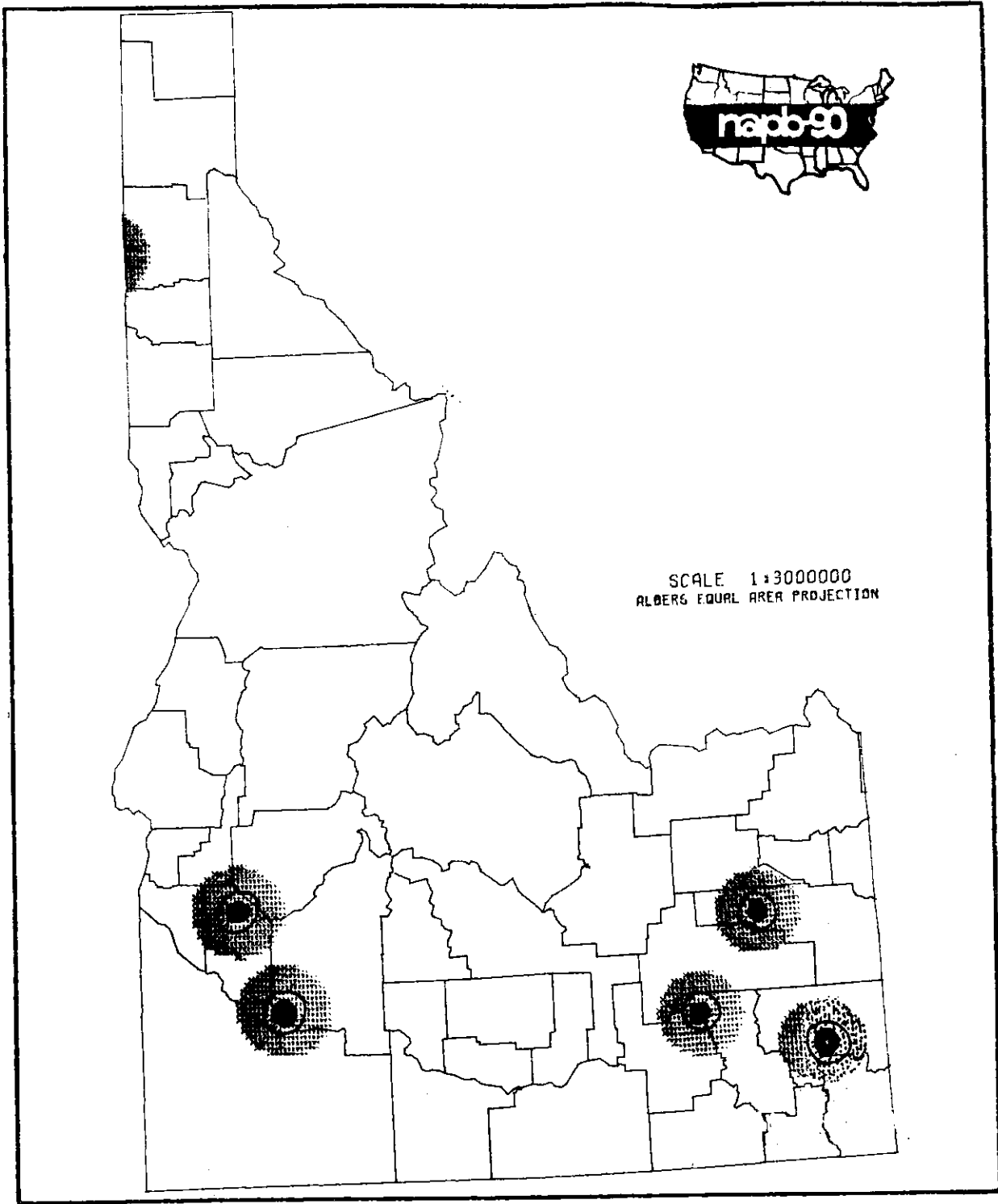
[MAP WILL BE FURNISHED SEPARATELY]

DIRECT EFFECTS RISK AREAS

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FEMA REGION X - ALASKA

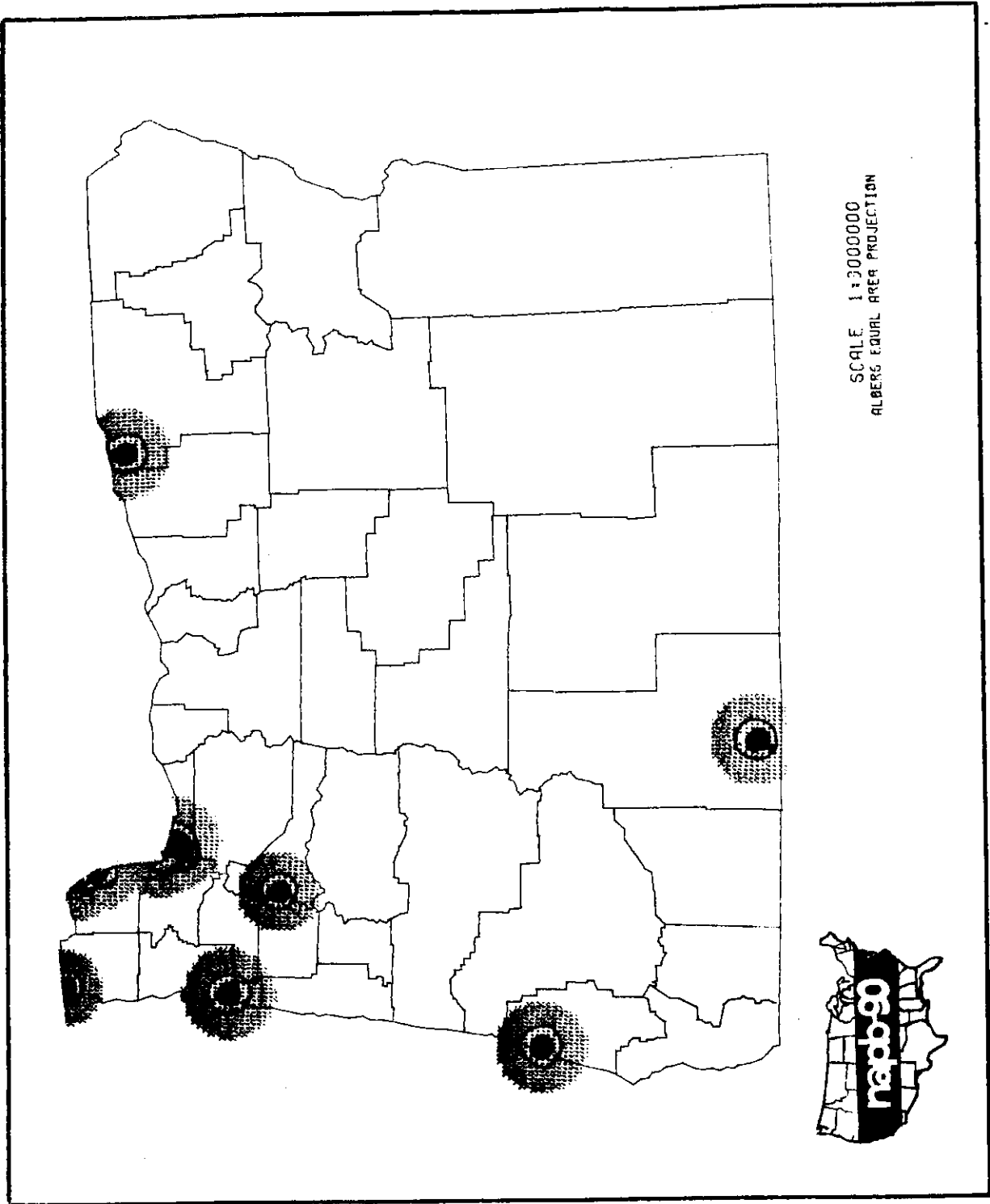
Black Area: Equal to or greater than 5.0 psi  
Ringed Area: Equal to or greater than 2.0 psi  
Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION X - IDAHO

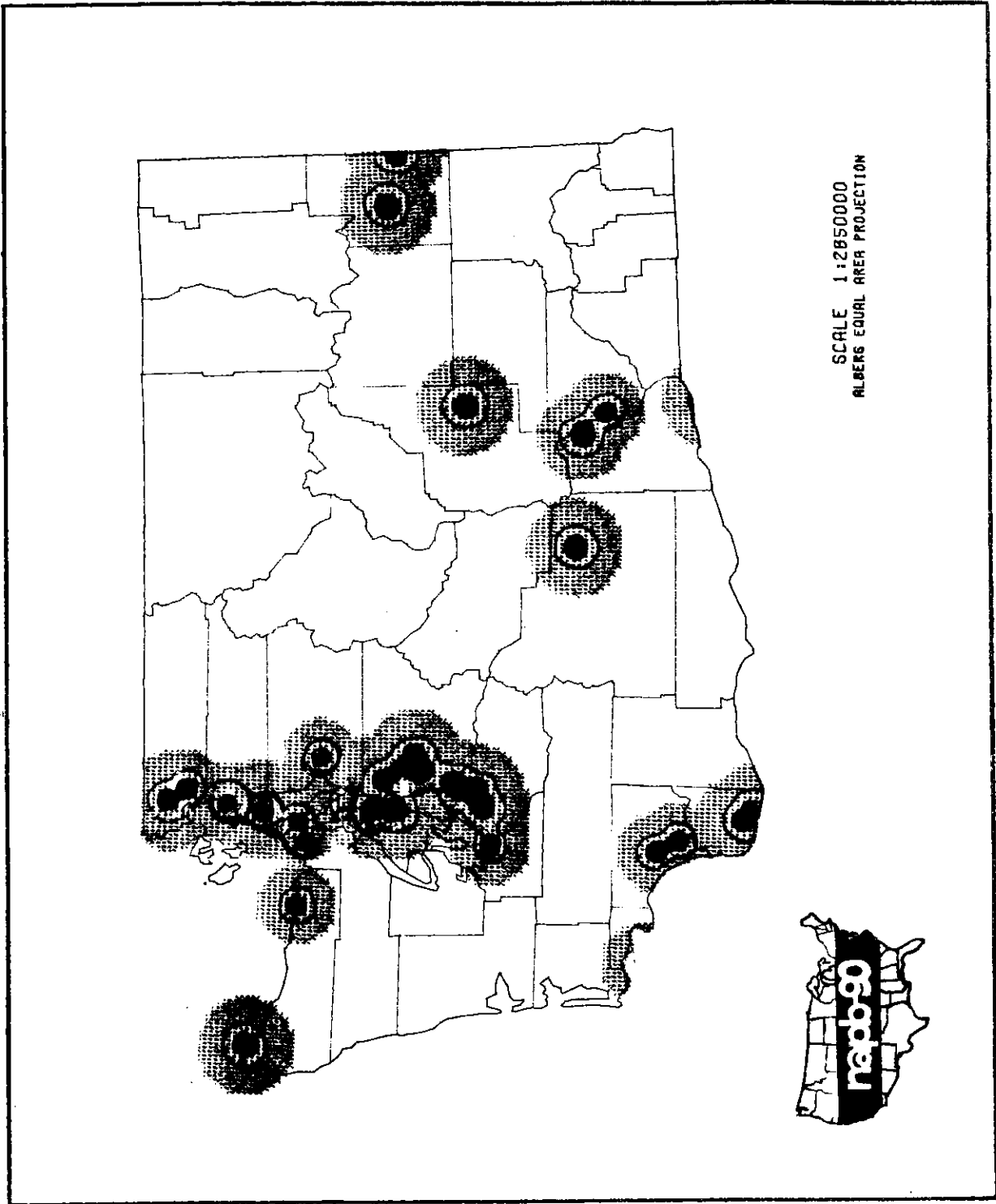
Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION X - OREGON

- Black Area: Equal to or greater than 5.0 psi
- Ringed Area: Equal to or greater than 2.0 psi
- Unringed Area: Equal to or greater than 0.5 psi



DIRECT EFFECTS RISK AREAS

FEMA REGION X - WASHINGTON

Black Area: Equal to or greater than 5.0 psi  
 Ringed Area: Equal to or greater than 2.0 psi  
 Unringed Area: Equal to or greater than 0.5 psi

A N N E X   A   -   D I R E C T   E F F E C T S   &   F I R E   R I S K S

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PART 2. HIGHEST RISK LEVEL RECORDED WITHIN COUNTIES

This part shows county resident population and land area under direct effects and fire risk based upon the highest risk level recorded within the county, regardless of the actual area covered by blast. This data also includes counties which are "risk free" from blast overpressures, i.e., counties which have no blast overpressure or have blast overpressure less than 0.5 psi.



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N A T I O N A L D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 242,109,419  
 Land Area: 3,551,226 square miles

| FEMA REGION | VERY HIGH RISK          |         | HIGH RISK                         |        | MEDIUM RISK                      |        | LOW/NO* RISK                      |           |
|-------------|-------------------------|---------|-----------------------------------|--------|----------------------------------|--------|-----------------------------------|-----------|
|             | GT 10 PSI<br>POPULATION | AREA    | EQ/GT 5PSI LT 10PSI<br>POPULATION | AREA   | EQ/GT 2PSI LT 5PSI<br>POPULATION | AREA   | EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA      |
| Region I    | 9 397 810               | 22 101  | 206 694                           | 4 540  | 1 025 945                        | 3 408  | 1 816 758                         | 31 633    |
|             |                         |         |                                   |        |                                  |        | ( 688 758                         | 9 688)    |
|             |                         |         |                                   |        |                                  |        | (1 127 971                        | 21 945)*  |
| Region II   | 19 525 466              | 18 641  | 5 734 729                         | 3 850  | 998 669                          | 9 112  | 943 560                           | 23 242    |
|             |                         |         |                                   |        |                                  |        | ( 768 558                         | 8 451)    |
|             |                         |         |                                   |        |                                  |        | ( 175 002                         | 14 791)*  |
| Region III  | 18 606 721              | 43 296  | 825 473                           | 6 116  | 1 790 474                        | 13 521 | 3 838 890                         | 57 614    |
|             |                         |         |                                   |        |                                  |        | (2 307 493                        | 31 393)   |
|             |                         |         |                                   |        |                                  |        | (1 531 397                        | 26 224)*  |
| Region IV   | 22 990 579              | 83 093  | 976 474                           | 11 723 | 2 403 465                        | 25 471 | 16 072 187                        | 258 813   |
|             |                         |         |                                   |        |                                  |        | (6 109 444                        | 105 673)  |
|             |                         |         |                                   |        |                                  |        | (9 962 743                        | 153 140)* |
| Region V    | 26 087 828              | 66 623  | 1 254 413                         | 6 384  | 4 011 018                        | 28 005 | 14 333 828                        | 222 533   |
|             |                         |         |                                   |        |                                  |        | (6 300 432                        | 63 473)   |
|             |                         |         |                                   |        |                                  |        | (8 033 396                        | 159 060)* |
| Region VI   | 18 774 323              | 125 298 | 237 848                           | 5 128  | 1 653 608                        | 38 036 | 7 474 583                         | 380 121   |
|             |                         |         |                                   |        |                                  |        | (2 847 548                        | 98 679)   |
|             |                         |         |                                   |        |                                  |        | (4 627 035                        | 281 442)* |
| Region VII  | 5 647 754               | 42 351  | 379 225                           | 6 244  | 951 181                          | 10 350 | 4 967 080                         | 224 026   |
|             |                         |         |                                   |        |                                  |        | (1 054 037                        | 41 287)   |
|             |                         |         |                                   |        |                                  |        | (3 913 043                        | 182 739)* |

\* Less than 0.5 psi overpressure

NATIONAL DIRECT EFFECTS RISK SUMMARY (Continued)

| FEMA REGION | VERY HIGH RISK<br>GT 10 PSI |         | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |        | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |         | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |             |
|-------------|-----------------------------|---------|----------------------------------|--------|-----------------------------------|---------|-------------------------------------|-------------|
|             | POPULATION                  | AREA    | POPULATION                       | AREA   | POPULATION                        | AREA    | POPULATION                          | AREA        |
| Region VIII | 4 772 181                   | 192 611 | 469 653                          | 13 816 | 132 289                           | 25 513  | 1 944 608                           | 341 557     |
|             |                             |         |                                  |        |                                   |         | ( 683 017                           | 69 607)     |
|             |                             |         |                                  |        |                                   |         | (1 261 591                          | 271 950)*   |
| Region IX   | 27 408 451                  | 191 318 | ---                              | ---    | 1 354 248                         | 24 772  | 1 420 324                           | 163 940     |
|             |                             |         |                                  |        |                                   |         | ( 785 485                           | 34 838)     |
|             |                             |         |                                  |        |                                   |         | ( 634 839                           | 129 102)*   |
| Region X    | 5 245 042                   | 62 730  | 67 460                           | 1 209  | 701 483                           | 10 305  | 2 086 494                           | 170 374     |
|             |                             |         |                                  |        |                                   |         | ( 653 506                           | 35 725)     |
|             |                             |         |                                  |        |                                   |         | (1 432 988                          | 134 649)*   |
| NATIONAL    | 158 456 155                 | 848 062 | 10 151 969                       | 59 010 | 15 022 380                        | 188 493 | 58 478 645                          | 2 455 661   |
|             |                             |         |                                  |        |                                   |         | (22 198 278                         | 499 814)    |
|             |                             |         |                                  |        |                                   |         | (36 280 367                         | 1 956 847)* |

\*Less than .5 psi overpressure

F E M A R E G I O N I - - D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 12,320,207  
 Land Area: 61,682 square miles

| STATE          | VERY HIGH RISK<br>GT 10 PSI |        | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |       | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |       | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |          |
|----------------|-----------------------------|--------|----------------------------------|-------|-----------------------------------|-------|-------------------------------------|----------|
|                | POPULATION                  | AREA   | POPULATION                       | AREA  | POPULATION                        | AREA  | POPULATION                          | AREA     |
| Connecticut    | 2 775 954                   | 3 062  | ---                              | ---   | ---                               | ---   | 389 507                             | 1 810    |
| Maine          | 637 184                     | 12 292 | 18 065                           | 3 986 | 100 112                           | 477   | 405 517                             | 14 240   |
| Massachusetts  | 4 630 548                   | 3 604  | 141 781                          | 528   | 655 822                           | 1 514 | 175 491                             | 7 166)*  |
| New Hampshire  | 311 943                     | 1 575  | ---                              | ---   | 197 424                           | 1 306 | 7 481 070                           | 6 111    |
| Rhode Island   | 918 987                     | 1 028  | 46 848                           | 26    | ---                               | ---   | ---                                 | ---      |
| Vermont        | 123 194                     | 540    | ---                              | ---   | 72 587                            | 1 511 | 338 704                             | 7 221    |
| TOTAL REGION I | 9 397 810                   | 22 101 | 206 694                          | 4 540 | 1 025 945                         | 3 408 | 1 816 758                           | 31 633   |
|                |                             |        |                                  |       |                                   |       | ( 688 787                           | 9 688)   |
|                |                             |        |                                  |       |                                   |       | (1 127 971                          | 21 945)* |

\* Less than .5 psi overpressure

S T A T E O F C O N N E C T I C U T - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 3,165,461  
 Land Area: 4,872 square miles

| COUNTY             | VERY HIGH RISK<br>GT 10 PSI |              | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |             | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |             | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |                |
|--------------------|-----------------------------|--------------|----------------------------------|-------------|-----------------------------------|-------------|-------------------------------------|----------------|
|                    | POPULATION                  | AREA         | POPULATION                       | AREA        | POPULATION                        | AREA        | POPULATION                          | AREA           |
| Fairfield          | 818 293                     | 632          |                                  |             |                                   |             |                                     |                |
| Hartford           | 819 457                     | 739          |                                  |             |                                   |             |                                     |                |
| Litchfield         | .....                       | .....        | .....                            | .....       | .....                             | .....       | 160 885                             | 922            |
| Middlesex          | .....                       | .....        | .....                            | .....       | .....                             | .....       | 133 498                             | 373            |
| New Haven          | 771 603                     | 610          |                                  |             |                                   |             |                                     |                |
| New London         | 246 137                     | 669          |                                  |             |                                   |             |                                     |                |
| Tolland            | 120 464                     | 412          |                                  |             |                                   |             |                                     |                |
| Windham            | .....                       | .....        | .....                            | .....       | .....                             | .....       | 95 124                              | 515            |
| <b>TOTAL STATE</b> | <b>2 775 954</b>            | <b>3 062</b> | <b>----</b>                      | <b>----</b> | <b>----</b>                       | <b>----</b> | <b>389 507</b>                      | <b>1 810</b>   |
|                    |                             |              |                                  |             |                                   |             | <b>( 389 507</b>                    | <b>1 810)</b>  |
|                    |                             |              |                                  |             |                                   |             | <b>( ----</b>                       | <b>---- )*</b> |

\* Less than .5 psi overpressure

S T A T E O F M A I N E - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 1,160,878  
Land Area: 30,995 square miles

| COUNTY       | VERY HIGH RISK<br>GT 10 PSI |       | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |       | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |       | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |        |
|--------------|-----------------------------|-------|----------------------------------|-------|-----------------------------------|-------|-------------------------------------|--------|
|              | POPULATION                  | AREA  | POPULATION                       | AREA  | POPULATION                        | AREA  | POPULATION                          | AREA   |
| Androscoggin | .....                       | ..... | .....                            | ..... | 100 112                           | 477   |                                     |        |
| Aroostook    | 88 277                      | 6 721 |                                  |       |                                   |       |                                     |        |
| Cumberland   | 225 058                     | 876   |                                  |       |                                   |       | 29 408                              | 1 699* |
| Franklin     | .....                       | ..... | .....                            | ..... | .....                             | ..... | 43 805                              | 1 537  |
| Hancock      | .....                       | ..... | .....                            | ..... | .....                             | ..... |                                     |        |
| Kennebec     | .....                       | ..... | .....                            | ..... | .....                             | ..... | 112 723                             | 876    |
| Knos         | .....                       | ..... | .....                            | ..... | .....                             | ..... | 34 496                              | 370*   |
| Lincoln      | .....                       | ..... | .....                            | ..... | .....                             | ..... | 27 958                              | 458*   |
| Osford       | .....                       | ..... | .....                            | ..... | .....                             | ..... | 49 771                              | 2 053* |
| Penobscot    | 138 771                     | 3 430 |                                  |       |                                   |       |                                     |        |
| Piscataquis  | .....                       | ..... | 18 065                           | 3 986 |                                   |       |                                     |        |
| Sagadahoc    | 30 689                      | 257   |                                  |       |                                   |       |                                     |        |
| Somerset     | .....                       | ..... | .....                            | ..... | .....                             | ..... | 46 806                              | 3 931  |
| Waldo        | .....                       | ..... | .....                            | ..... | .....                             | ..... | 26 692                              | 730    |
| Washington   | .....                       | ..... | .....                            | ..... | .....                             | ..... | 33 858                              | 2 586* |

|             |         |        |        |       |         |     |           |         |
|-------------|---------|--------|--------|-------|---------|-----|-----------|---------|
| York        | 154 389 | 1 008  |        |       |         |     |           |         |
| STATE TOTAL | 637 184 | 12 292 | 18 065 | 3 986 | 100 112 | 477 | 405 517   | 14 240  |
|             |         |        |        |       |         |     | ( 230 026 | 7 074)  |
|             |         |        |        |       |         |     | ( 175 491 | 7 166)* |

\* Less than .5 psi overpressure

S T A T E O F M A S S A C H U S E T T S - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 5,503,475  
Land Area: 6,497 square miles

| COUNTY     | VERY HIGH RISK          |       | HIGH RISK                   |               | MEDIUM RISK                 |              | LOW/NO* RISK                  |              |
|------------|-------------------------|-------|-----------------------------|---------------|-----------------------------|--------------|-------------------------------|--------------|
|            | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT<br>POPULATION | 10PSI<br>AREA | EQ/GT 2PSI LT<br>POPULATION | 5PSI<br>AREA | EQ/GT .5 PSI LT<br>POPULATION | 2PSI<br>AREA |
| Barnstable | 147 925                 | 400   |                             |               |                             |              |                               |              |
| Berkshire  | 145 110                 | 929   |                             |               |                             |              |                               |              |
| Bristol    | 478 662                 | 557   |                             |               |                             |              |                               |              |
| Dukes      | .....                   | ..... | .....                       | .....         | .....                       | .....        | 10 337                        | 102          |
| Essex      | 648 793                 | 495   |                             |               |                             |              |                               |              |
| Franklin   | .....                   | ..... | .....                       | .....         | .....                       | .....        | 64 987                        | 702          |
| Hampden    | 442 601                 | 618   |                             |               |                             |              |                               |              |
| Hampshire  | .....                   | ..... | 141 781                     | 528           |                             |              |                               |              |
| Middlesex  | 1 369 905               | 822   |                             |               |                             |              |                               |              |
| Nantucket  | .....                   | ..... | .....                       | .....         | .....                       | .....        | 6 070                         | 47*          |
| Norfolk    | 602 837                 | 400   |                             |               |                             |              |                               |              |
| Plymouth   | 420 708                 | 655   |                             |               |                             |              |                               |              |
| Suffolk    | 660 972                 | 57    |                             |               |                             |              |                               |              |
| Worcester  | .....                   | ..... | .....                       | 655 822       | 1 514                       |              |                               |              |

|             |           |       |         |     |         |       |          |      |
|-------------|-----------|-------|---------|-----|---------|-------|----------|------|
| TOTAL STATE | 4 630 548 | 3 604 | 141 781 | 528 | 655 822 | 1 514 | 75 324   | 851  |
|             |           |       |         |     |         |       | ( 69 254 | 804) |
|             |           |       |         |     |         |       | ( 6 070  | 47)* |

\*Less than .5 psi overpressure



STATE OF NEW HAMPSHIRE - - DIRECT EFFECTS RISK

Estimated 1985 Population: 990,437  
 Land Area: 8,992 square miles

| COUNTY       | VERY HIGH RISK<br>GT 10 PSI |       | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |       | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |       | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |        |
|--------------|-----------------------------|-------|----------------------------------|-------|-----------------------------------|-------|-------------------------------------|--------|
|              | POPULATION                  | AREA  | POPULATION                       | AREA  | POPULATION                        | AREA  | POPULATION                          | AREA   |
| Belknap      | .....                       | ..... | .....                            | ..... | .....                             | ..... | 46 034                              | 404*   |
| Carroll      | .....                       | ..... | .....                            | ..... | .....                             | ..... | 30 428                              | 932*   |
| Cheshire     | .....                       | ..... | .....                            | ..... | .....                             | ..... | 64 644                              | 711*   |
| Coos         | .....                       | ..... | .....                            | ..... | .....                             | ..... | 33 352                              | 1 805* |
| Grafton      | .....                       | ..... | .....                            | ..... | .....                             | ..... | 68 735                              | 1 719* |
| Hillsborough | 299 744                     | 876   | .....                            | ..... | .....                             | ..... | .....                               | .....  |
| Merrimack    | .....                       | ..... | .....                            | ..... | 103 605                           | 936   | .....                               | .....  |
| Rockingham   | 212 199                     | 699   | .....                            | ..... | .....                             | ..... | .....                               | .....  |
| Strafford    | .....                       | ..... | .....                            | ..... | 93 819                            | 370   | .....                               | .....  |
| Sullivan     | .....                       | ..... | .....                            | ..... | .....                             | ..... | 37 877                              | 540*   |

|             |         |       |     |     |         |       |           |         |
|-------------|---------|-------|-----|-----|---------|-------|-----------|---------|
| TOTAL STATE | 311 943 | 1 575 | --- | --- | 197 424 | 1 306 | 481 070   | 6 111   |
|             |         |       |     |     |         |       | ( --- )   |         |
|             |         |       |     |     |         |       | ( 481 070 | 6 111)* |

\*Less than .5 psi overpressure

S T A T E O F R H O D E I S L A N D - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 965,471  
Land Area: 1,054 square miles

| COUNTY             | VERY HIGH RISK<br>GT 10 PSI |              | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |           | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |            | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |            |
|--------------------|-----------------------------|--------------|----------------------------------|-----------|-----------------------------------|------------|-------------------------------------|------------|
|                    | POPULATION                  | AREA         | POPULATION                       | AREA      | POPULATION                        | AREA       | POPULATION                          | AREA       |
| Bristol            | .....                       |              | 46 484                           | 26        |                                   |            |                                     |            |
| Kent               | 158 247                     | 172          |                                  |           |                                   |            |                                     |            |
| Newport            | 84 236                      | 107          |                                  |           |                                   |            |                                     |            |
| Providence         | 578 010                     | 416          |                                  |           |                                   |            |                                     |            |
| Washington         | 98 494                      | 333          |                                  |           |                                   |            |                                     |            |
| <b>TOTAL STATE</b> | <b>918 987</b>              | <b>1 028</b> | <b>46 484</b>                    | <b>26</b> | <b>---</b>                        | <b>---</b> | <b>---</b>                          | <b>---</b> |

\* Less than .5 psi overpressure

S T A T E O F V E R M O N T - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 534,485  
Land Area: 9,272 square miles

| COUNTY     | VERY HIGH RISK          |      | HIGH RISK                   |               | MEDIUM RISK                 |              | LOW/NO* RISK                 |              |
|------------|-------------------------|------|-----------------------------|---------------|-----------------------------|--------------|------------------------------|--------------|
|            | GT 10 PSI<br>POPULATION | AREA | EQ/GT 5PSI LT<br>POPULATION | 10PSI<br>AREA | EQ/GT 2PSI LT<br>POPULATION | 5PSI<br>AREA | EQ/GT .5PSI LT<br>POPULATION | 2PSI<br>AREA |
| Addison    | .....                   |      | .....                       |               | 31 248                      | 773          |                              |              |
| Bennington | .....                   |      | .....                       |               | .....                       |              | 34 937                       | 676*         |
| Caledonia  | .....                   |      | .....                       |               | .....                       |              | 26 478                       | 651*         |
| Chittenden | 123 194                 | 540  | .....                       |               | .....                       |              |                              |              |
| Essex      | .....                   |      | .....                       |               | .....                       |              | 6 646                        | 666*         |
| Franklin   | .....                   |      | .....                       |               | 36 337                      | 649          |                              |              |
| Grand Isle | .....                   |      | .....                       |               | 5 002                       | 89           |                              |              |
| Lamoille   | .....                   |      | .....                       |               | .....                       |              | 17 676                       | 461*         |
| Orange     | .....                   |      | .....                       |               | .....                       |              | 24 019                       | 690*         |
| Orleans    | .....                   |      | .....                       |               | .....                       |              | 23 993                       | 697*         |
| Rutland    | .....                   |      | .....                       |               | .....                       |              | 59 226                       | 932*         |
| Washington | .....                   |      | .....                       |               | .....                       |              | 53 831                       | 690*         |
| Windham    | .....                   |      | .....                       |               | .....                       |              | 38 786                       | 786*         |
| Windsor    | .....                   |      | .....                       |               | .....                       |              | 53 112                       | 972*         |

|             |         |     |     |     |        |       |           |         |
|-------------|---------|-----|-----|-----|--------|-------|-----------|---------|
| TOTAL STATE | 123 194 | 540 | --- | --- | 72 587 | 1 511 | 338 704   | 7 221   |
|             |         |     |     |     |        |       | ( --- )   |         |
|             |         |     |     |     |        |       | ( 338 704 | 7 221)* |

\*Less than .5 psi overpressure

F E M A R E G I O N I I - - D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 28,626,118  
 Land Area: 58,436 square miles

| STATE      | VERY HIGH RISK<br>GT 10 PSI |        | HIGH RISK<br>EQ/GT 5PSI LE 10PSI |       | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |       | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |             |
|------------|-----------------------------|--------|----------------------------------|-------|-----------------------------------|-------|-------------------------------------|-------------|
|            | POPULATION                  | AREA   | POPULATION                       | AREA  | POPULATION                        | AREA  | POPULATION                          | AREA        |
| New Jersey | 4 794 644                   | 4 986  | 2 316 996                        | 769   | 439 521                           | 1 713 | ( --- )                             | ( --- )     |
| New York   | 14 730 822                  | 13 655 | 3 427 733                        | 3 081 | 559 148                           | 7 399 | ( 768 558 )                         | ( 175 002 ) |

Puerto Rico

DATA WILL BE FURNISHED SEPARATELY

Virgin Islands

DATA WILL BE FURNISHED SEPARATELY

|                 |            |        |           |       |         |       |             |             |
|-----------------|------------|--------|-----------|-------|---------|-------|-------------|-------------|
| TOTAL REGION II | 19 525 466 | 18 641 | 5 734 729 | 3 850 | 998 669 | 9 112 | ( 943 560 ) | ( 23 242 )  |
|                 |            |        |           |       |         |       | ( 768 558 ) | ( 8 451 )   |
|                 |            |        |           |       |         |       | ( 175 002 ) | ( 14 791 )* |

\*Less than .5 psi overpressure

S T A T E O F N E W J E R S E Y - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 7,551,161  
Land Area: 7,468 square miles

| COUNTY     | VERY HIGH RISK<br>GT 10 PSI |       | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |       | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |      | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |      |
|------------|-----------------------------|-------|----------------------------------|-------|-----------------------------------|------|-------------------------------------|------|
|            | POPULATION                  | AREA  | POPULATION                       | AREA  | POPULATION                        | AREA | POPULATION                          | AREA |
| Atlantic   | 202 977                     | 568   |                                  |       |                                   |      |                                     |      |
| Bergen     | .....                       | ..... | 843 976                          | 237   |                                   |      |                                     |      |
| Burlington | 382 675                     | 808   |                                  |       |                                   |      |                                     |      |
| Camden     | 484 532                     | 223   |                                  |       |                                   |      |                                     |      |
| Cape May   | .....                       | ..... | .....                            | ..... | 90 810                            | 263  |                                     |      |
| Cumberland | .....                       | ..... | .....                            | ..... | 133 582                           | 498  |                                     |      |
| Essex      | .....                       | ..... | 826 857                          | 127   |                                   |      |                                     |      |
| Gloucester | 209 076                     | 327   |                                  |       |                                   |      |                                     |      |
| Hudson     | .....                       | ..... | 560 606                          | 46    |                                   |      |                                     |      |
| Hunterdon  | .....                       | ..... | .....                            | ..... | 93 887                            | 427  |                                     |      |
| Mercer     | 315 518                     | 227   |                                  |       |                                   |      |                                     |      |
| Middlesex  | 623 943                     | 316   |                                  |       |                                   |      |                                     |      |
| Monmouth   | 530 780                     | 472   |                                  |       |                                   |      |                                     |      |
| Morris     | 420 366                     | 471   |                                  |       |                                   |      |                                     |      |
| Ocean      | 382 488                     | 641   |                                  |       |                                   |      |                                     |      |
| Passaic    | 457 120                     | 187   |                                  |       |                                   |      |                                     |      |
| Salem      | 66 592                      | 338   |                                  |       |                                   |      |                                     |      |
| Somerset   | 212 791                     | 305   |                                  |       |                                   |      |                                     |      |
| Sussex     | .....                       | ..... | .....                            | ..... | 121 242                           | 525  |                                     |      |
| Union      | 505 786                     | 103   |                                  |       |                                   |      |                                     |      |
| Warren     | .....                       | ..... | 85 557                           | 359   |                                   |      |                                     |      |

|             |           |       |                                |     |         |       |     |     |
|-------------|-----------|-------|--------------------------------|-----|---------|-------|-----|-----|
| STATE TOTAL | 4 794 644 | 4 986 | 2 316 996                      | 769 | 439 521 | 1 713 | --- | --- |
|             |           |       | *Less than .5 psi overpressure |     |         |       | (   | --- |
|             |           |       |                                |     |         |       | (   | --- |
|             |           |       |                                |     |         |       |     | --- |

S T A T E O F N E W Y O R K - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 17,774,143  
 Land Area: 47,377 square miles

| COUNTY      | VERY HIGH RISK<br>GT 10 PSI |       | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |       | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |       | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |        |
|-------------|-----------------------------|-------|----------------------------------|-------|-----------------------------------|-------|-------------------------------------|--------|
|             | POPULATION                  | AREA  | POPULATION                       | AREA  | POPULATION                        | AREA  | POPULATION                          | AREA   |
| Albany      | 285 433                     | 524   |                                  |       |                                   |       | 51 343                              | 1 032* |
| Allegany    |                             |       |                                  |       |                                   |       |                                     |        |
| Bronx       | 1 173 939                   | 42    |                                  |       |                                   |       |                                     |        |
| Broome      |                             |       |                                  |       |                                   |       | 213 451                             | 712*   |
| Cattaraugus |                             |       | 86 102                           | 1 306 |                                   |       |                                     |        |
| Cayuga      |                             |       |                                  |       | 80 381                            | 695   |                                     |        |
| Chautauqua  |                             |       |                                  |       | 146 038                           | 1 064 |                                     |        |
| Chemung     |                             |       |                                  |       |                                   |       | 92 406                              | 411*   |
| Chenango    |                             |       |                                  |       |                                   |       | 50 447                              | 897*   |
| Clinton     | 80 924                      | 1 043 |                                  |       |                                   |       |                                     |        |
| Columbia    |                             |       |                                  |       | 61 646                            | 638   |                                     |        |
| Cortland    |                             |       |                                  |       |                                   |       | 47 988                              | 500*   |
| Delaware    |                             |       |                                  |       |                                   |       | 46 664                              | 1 440* |
| Dutchess    | 255 073                     | 804   |                                  |       |                                   |       |                                     |        |
| Erie        | 977 687                     | 1 046 |                                  |       |                                   |       |                                     |        |
| Essex       |                             |       |                                  |       | 36 733                            | 1 807 |                                     |        |
| Franklin    |                             |       |                                  |       |                                   |       | 43 604                              | 1 642* |
| Fulton      |                             |       |                                  |       |                                   |       | 56 407                              | 497    |
| Genesee     |                             |       |                                  |       |                                   |       | 56 691                              | 495*   |
| Greene      |                             |       |                                  |       |                                   |       | 41 477                              | 648    |
| Hamilton    |                             |       |                                  |       |                                   |       | 4 806                               | 1 721  |
| Herkimer    |                             |       |                                  |       | 67 691                            | 1 417 |                                     |        |
| Jefferson   | 89 068                      | 1 273 |                                  |       |                                   |       |                                     |        |
| Kings       | 2 259 554                   | 70    |                                  |       |                                   |       |                                     |        |
| Lewis       |                             |       |                                  |       |                                   |       | 24 945                              | 1 283  |

\*Less than .5 psi overpressure

STATE OF NEW YORK (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA  | LOW/NO* RISK<br>POPULATION | AREA   |
|-------------|------------------------------|-------|-------------------------|-------|---------------------------|-------|----------------------------|--------|
| Livingston  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 58 866                     | 633    |
| Madison     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 67 406                     | 656    |
| Monroe      | 713 316                      | 663   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Montgomery  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 53 004                     | 404    |
| Nassau      | 1 342 306                    | 287   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| New York    | 1 463 052                    | 22    | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Niagara     | 217 492                      | 526   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Oneida      | 253 963                      | 1 219 | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Onondaga    | 464 441                      | 785   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Ontario     | .....                        | ..... | 92 890                  | 644   | .....                     | ..... | .....                      | .....  |
| Orange      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 276 972                    | 826*   |
| Orleans     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 39 425                     | 391*   |
| Oswego      | 120 383                      | 954   | .....                   | ..... | .....                     | ..... | 59 978                     | 1 004  |
| Otsego      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 81 774                     | 231*   |
| Putnam      | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Queens      | 1 916 194                    | 108   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Rensselaer  | 152 266                      | 655   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Richmond    | 375 223                      | 59    | .....                   | ..... | .....                     | ..... | 265 505                    | 175    |
| Rockland    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 113 496                    | 2 728* |
| St Lawrence | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Saratoga    | 161 216                      | 810   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Schenectady | 151 139                      | 206   | .....                   | ..... | .....                     | ..... | 30 392                     | 624    |
| Schoharie   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 17 721                     | 329    |
| Schuyler    | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Seneca      | 32 754                       | 327   | .....                   | ..... | .....                     | ..... | .....                      | .....  |

\*Less than .5 psi overpressure

STATE OF NEW YORK (Continued)

| COUNTY      | VERY HIGH RISK |        | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |          |
|-------------|----------------|--------|------------|-------|-------------|-------|--------------|----------|
|             | POPULATION     | AREA   | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA     |
| Steuben     | .....          | .....  | .....      | ..... | .....       | ..... | 99 365       | 1 396*   |
| Suffolk     | 1 322 809      | 912    | .....      | ..... | .....       | ..... | 67 719       | 976*     |
| Sullivan    | .....          | .....  | .....      | ..... | .....       | ..... | 50 776       | 519*     |
| Tioga       | .....          | .....  | .....      | ..... | .....       | ..... | 88 051       | 477      |
| Tompkins    | .....          | .....  | .....      | ..... | .....       | ..... | .....        | .....    |
| Ulster      | .....          | .....  | 163 741    | 1 131 | .....       | ..... | .....        | .....    |
| Warren      | 55 645         | 882    | .....      | ..... | 56 349      | 836   | .....        | .....    |
| Washington  | .....          | .....  | .....      | ..... | 88 815      | 603   | .....        | .....    |
| Wayne       | .....          | .....  | .....      | ..... | .....       | ..... | .....        | .....    |
| Westchester | 866 945        | 438    | .....      | ..... | .....       | ..... | 40 761       | 595*     |
| Wyoming     | .....          | .....  | .....      | ..... | .....       | ..... | .....        | .....    |
| Yates       | .....          | .....  | .....      | ..... | 21 495      | 339   | .....        | .....    |
| TOTAL STATE | 14 730 822     | 13 655 | 3 427 733  | 3 081 | 559 148     | 7 399 | 943 560      | 23 242   |
|             |                |        |            |       |             |       | ( 768 558    | 8 451)   |
|             |                |        |            |       |             |       | ( 175 002    | 14 791)* |

\*Less than .5 psi overpressure



TERRITORY OF PUERTO RICO -- DIRECT EFFECTS RISK

Estimated 1985 Population: 3,196,520  
 Land Area: 3,459 square miles

| COUNTY | VERY HIGH RISK<br>GT 10 PSI<br>POPULATION | AREA | HIGH RISK<br>EQ/GT 5PSI LT 10PSI<br>POPULATION | AREA | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI<br>POPULATION | AREA | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA |
|--------|---|------|--|------|---|------|---|------|
|--------|---|------|--|------|---|------|---|------|

All Counties DATA WILL BE FURNISHED SEPARATELY

TOTAL TERRITORY

( )  
 ( )\*

\*Less than .5 psi overpressure

TERRITORY OF THE VIRGIN ISLANDS - - DIRECT EFFECTS RISK

Estimated 1985 Population: 104,294  
 Land Area: 132 square miles

| COUNTY | VERY HIGH RISK<br>GT 10 PSI<br>POPULATION | AREA | HIGH RISK<br>EQ/GT 5PSI LT 10PSI<br>POPULATION | AREA | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI<br>POPULATION | AREA | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA |
|--------|---|------|--|------|---|------|---|------|
|--------|---|------|--|------|---|------|---|------|

All Counties DATA WILL BE FURNISHED SEPARATELY

TOTAL TERRITORY ( )  
 ( )\*

\*Less than .5 psi overpressure

F E M A R E G I O N I I I - - D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 25,107,876  
 Land Area: 120,550 square miles

| STATE             | VERY HIGH RISK<br>GT 10 PSI |        | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |       | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |        | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |          |
|-------------------|-----------------------------|--------|----------------------------------|-------|-----------------------------------|--------|-------------------------------------|----------|
|                   | POPULATION                  | AREA   | POPULATION                       | AREA  | POPULATION                        | AREA   | POPULATION                          | AREA     |
| Delaware          | 425 022                     | 991    | ---                              | ---   | ---                               | ---    | 105 207                             | 942      |
| Dist. of Columbia | 618 906                     | 63     | ---                              | ---   | ---                               | ---    | ( 105 207                           | 942)*    |
| Maryland          | 3 863 638                   | 5 462  | 246 820                          | 703   | 46 396                            | 871    | 224 889                             | 2 802    |
| Pennsylvania      | 9 115 680                   | 20 270 | 338 141                          | 1 033 | 1 186 856                         | 6 535  | ( 960 670                           | 10 882)  |
| Virginia          | 3 482 624                   | 8 573  | 201 907                          | 3 847 | 379 967                           | 3 964  | ( 297 736                           | 6 172)*  |
| West Virginia     | 1 100 851                   | 7 937  | 38 605                           | 533   | 159 255                           | 2 151  | 653 545                             | 13 503   |
| TOTAL REGION      | 18 606 721                  | 43 296 | 825 473                          | 6 116 | 1 790 474                         | 13 521 | 3 838 890                           | 57 614   |
|                   |                             |        |                                  |       |                                   |        | (2 307 493                          | 31 393)  |
|                   |                             |        |                                  |       |                                   |        | (1 531 397                          | 26 224)* |

\*Less than .5 psi overpressure

S T A T E O F D E L A W A R E - - D I R E C T E F F E C T S R I S K

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Estimated 1985 Population: 530,229  
 Land Area: 1,933 square miles

| COUNTY     | VERY HIGH RISK          |       | HIGH RISK                         |       | MEDIUM RISK                      |       | LOW/NO* RISK                      |      |
|------------|-------------------------|-------|-----------------------------------|-------|----------------------------------|-------|-----------------------------------|------|
|            | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT 10PSI<br>POPULATION | AREA  | EQ/GT 2PSI LT 5PSI<br>POPULATION | AREA  | EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA |
| Kent       | 15 037                  | 595   |                                   |       |                                  |       |                                   |      |
| New Castle | 409 985                 | 396   |                                   |       |                                  |       |                                   |      |
| Sussex     | .....                   | ..... | .....                             | ..... | .....                            | ..... | 105 207                           | 942* |

|             |         |     |     |     |     |     |           |         |
|-------------|---------|-----|-----|-----|-----|-----|-----------|---------|
| TOTAL STATE | 425 022 | 991 | --- | --- | --- | --- | 105 207   | 942     |
|             |         |     |     |     |     |     | ( --- )   | ( --- ) |
|             |         |     |     |     |     |     | ( 105 207 | 942)*   |

\*Less than .5 psi overpressure

D I S T R I C T O F C O L U M B I A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 618,906  
 Land Area: 63 square miles

| COUNTY            | VERY HIGH RISK<br>GT 10 PSI |      | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |      | MEDIUM RISK<br>EQ/GT 5PSI LT 2PSI |      | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |          |
|-------------------|-----------------------------|------|----------------------------------|------|-----------------------------------|------|-------------------------------------|----------|
|                   | POPULATION                  | AREA | POPULATION                       | AREA | POPULATION                        | AREA | POPULATION                          | AREA     |
| Dist. of Columbia | 618 906                     |      | 63                               |      |                                   |      |                                     |          |
| TOTAL DISTRICT    | 618 906                     |      | 63                               |      |                                   |      | ( --- )                             | ( --- )* |

\*Less than .5 psi overpressure

S T A T E O F M A R Y L A N D - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 4,381,743  
Land Area: 9,838 square miles

| COUNTY         | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |         |
|----------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|---------|
|                | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA    |
| Allegany       | 76 002         | 421   |                     |            |                    |            |                     |         |
| Anne Arundel   | 393 425        | 419   |                     |            |                    |            |                     |         |
| Baltimore      | 677 372        | 598   |                     |            |                    |            |                     |         |
| Calvert        | 40 418         | 213   |                     |            |                    |            |                     |         |
| Caroline       |                |       |                     |            |                    |            | 23 715              | 321     |
| Carroll        |                |       | 106 853             | 452        |                    |            |                     |         |
| Cecil          | 66 776         | 359   |                     |            |                    |            |                     |         |
| Charles        | 84 030         | 452   |                     |            |                    |            |                     |         |
| Dorchester     |                |       |                     |            | 29 717             | 593        |                     |         |
| Frederick      | 126 295        | 663   |                     |            |                    |            |                     |         |
| Garrett        |                |       |                     |            |                    |            | 26 913              | 657     |
| Harford        | 152 156        | 447   |                     |            |                    |            |                     |         |
| Howard         |                |       | 139 967             | 251        |                    |            |                     |         |
| Kent           |                |       |                     |            | 16 679             | 278        |                     |         |
| Montgomery     | 635 241        | 495   |                     |            |                    |            |                     |         |
| Prince Georges | 678 149        | 487   |                     |            |                    |            | 28 229              | 372     |
| Queen Annes    |                |       |                     |            |                    |            |                     |         |
| St Marys       | 64 355         | 373   |                     |            |                    |            | 18 515              | 339*    |
| Somerset       |                |       |                     |            |                    |            | 27 117              | 259     |
| Talbot         |                |       |                     |            |                    |            |                     |         |
| Washington     | 111 651        | 455   |                     |            |                    |            | 66 361              | 379*    |
| Wicomico       |                |       |                     |            |                    |            | 34 039              | 475*    |
| Worcester      |                |       |                     |            |                    |            |                     |         |
| Baltimore City | 757 768        | 80    |                     |            |                    |            |                     |         |
| TOTAL STATE    | 3 863 638      | 5 462 | 246 820             | 703        | 46 396             | 871        | 224 889             | 2 802   |
|                |                |       |                     |            |                    |            | ( 105 974           | 1 609)  |
|                |                |       |                     |            |                    |            | ( 118 915           | 1 193)* |

\* Less than .5 psi overpressure

S T A T E O F P E N N S Y L V A N I A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 11,909,083  
Land Area: 44,892 square miles

| COUNTY     | VERY HIGH RISK          |       | HIGH RISK                   |      | MEDIUM RISK                 |      | LOW/NO* RISK                 |        |
|------------|-------------------------|-------|-----------------------------|------|-----------------------------|------|------------------------------|--------|
|            | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT<br>POPULATION | AREA | EQ/GT 2PSI LT<br>POPULATION | AREA | EQ/GT .5PSI LT<br>POPULATION | AREA   |
| Adams      | 68 459                  | 521   |                             |      |                             |      |                              |        |
| Allegheny  | 1 399 652               | 727   |                             |      |                             |      |                              |        |
| Armstrong  | 83 324                  | 646   |                             |      |                             |      |                              |        |
| Beaver     | 197 808                 | 436   |                             |      |                             |      |                              |        |
| Bedford    |                         |       |                             |      |                             |      | 48 356                       | 1 017  |
| Berks      | 318 305                 | 861   |                             |      |                             |      |                              |        |
| Blair      |                         |       |                             |      |                             |      | 133 813                      | 527    |
| Bradford   |                         |       |                             |      |                             |      | 64 199                       | 1 152* |
| Bucks      | 515 874                 | 610   |                             |      |                             |      |                              |        |
| Butler     | 152 040                 | 789   |                             |      |                             |      |                              |        |
| Cambria    |                         |       |                             |      |                             |      | 175 533                      | 691    |
| Cameron    |                         |       |                             |      |                             |      | 6 596                        | 398*   |
| Carbon     | 54 170                  | 385   |                             |      |                             |      |                              |        |
| Centre     | 114 856                 | 1 106 |                             |      |                             |      |                              |        |
| Chester    | 339 008                 | 758   |                             |      |                             |      |                              |        |
| Clarion    | 42 996                  | 607   |                             |      |                             |      |                              |        |
| Clearfield |                         |       |                             |      |                             |      | 84 733                       | 1 149  |
| Clinton    |                         |       |                             |      |                             |      | 39 156                       | 892    |
| Columbia   | 61 778                  | 486   |                             |      |                             |      |                              |        |
| Crawford   |                         |       |                             |      |                             |      | 89 061                       | 1 011* |
| Cumberland | 186 988                 | 547   |                             |      |                             |      |                              |        |
| Dauphin    | 236 650                 | 528   |                             |      |                             |      |                              |        |
| Delaware   | 550 418                 | 184   |                             |      |                             |      |                              |        |
| Elk        |                         |       |                             |      |                             |      | 37 425                       | 830*   |
| Erie       | 282 674                 | 804   |                             |      |                             |      |                              |        |

\* Less than .5 psi overpressure

STATE OF PENNSYLVANIA (Continued)

| COUNTY         | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA | MEDIUM RISK<br>POPULATION | AREA | LOW/NO* RISK<br>POPULATION | RISK<br>AREA |
|----------------|------------------------------|-------|-------------------------|------|---------------------------|------|----------------------------|--------------|
| Fayette        | 159 070                      | 794   |                         |      |                           |      | 5 018                      | 428*         |
| Forest         |                              |       |                         |      |                           |      |                            |              |
| Franklin       | 116 866                      | 774   |                         |      |                           |      | 13 721                     | 437          |
| Fulton         |                              |       |                         |      |                           |      |                            |              |
| Greene         | 41 362                       | 577   |                         |      |                           |      |                            |              |
| Huntingdon     |                              |       |                         |      |                           |      | 42 811                     | 877          |
| Indiana        | 93 550                       | 829   |                         |      |                           |      |                            |              |
| Jefferson      | 49 051                       | 656   |                         |      |                           |      | 19 980                     | 392*         |
| Juniata        |                              |       |                         |      |                           |      |                            |              |
| Lackawanna     | 222 969                      | 461   |                         |      |                           |      |                            |              |
| Lancaster      | 386 020                      | 952   |                         |      |                           |      |                            |              |
| Lawrence       |                              |       |                         |      | 105 403                   | 363  | 111 919                    | 363          |
| Lebanon        |                              |       |                         |      |                           |      |                            |              |
| Lehigh         | 277 519                      | 348   |                         |      |                           |      |                            |              |
| Luzerne        |                              |       |                         |      | 334 652                   | 891  |                            |              |
| Lycoming       | 116 783                      | 1 237 |                         |      |                           |      |                            |              |
| McKean         | 48 882                       | 979   |                         |      |                           |      |                            |              |
| Mercer         |                              |       |                         |      | 126 574                   | 672  | 46 580                     | 413          |
| Mifflin        |                              |       |                         |      |                           |      |                            |              |
| Monroe         |                              |       |                         |      | 79 149                    | 609  |                            |              |
| Montgomery     | 662 853                      | 486   |                         |      |                           |      | 17 066                     | 131          |
| Montour        |                              |       |                         |      |                           |      |                            |              |
| Northampton    | 232 130                      | 376   |                         |      |                           |      | 100 144                    | 461          |
| Northumberland |                              |       |                         |      |                           |      |                            |              |
| Perry          |                              |       |                         |      | 38 081                    | 557  |                            |              |
| Philadelphia   | 1 636 321                    | 136   |                         |      |                           |      | 21 143                     | 551*         |
| Pike           |                              |       |                         |      |                           |      | 18 490                     | 1 081*       |
| Potter         |                              |       |                         |      |                           |      |                            |              |
| Schuylkill     |                              |       |                         |      | 158 879                   | 781  | 35 824                     | 329*         |
| Snyder         |                              |       |                         |      |                           |      |                            |              |

\*Less than .5 psi overpressure



STATE OF PENNSYLVANIA (Continued)

| COUNTY       | VERY HIGH RISK |        | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |         |
|--------------|----------------|--------|------------|-------|-------------|-------|--------------|---------|
|              | POPULATION     | AREA   | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA    |
| Somerset     | .....          | .....  | .....      | ..... | 82 007      | 1 073 | 6 159        | 451     |
| Sullivan     | .....          | .....  | .....      | ..... | .....       | ..... | 39 233       | 826     |
| Susquehanna  | .....          | .....  | .....      | ..... | .....       | ..... | 40 093       | 1 131   |
| Tioga        | .....          | .....  | .....      | ..... | .....       | ..... | 33 796       | 317     |
| Union        | .....          | .....  | .....      | ..... | .....       | ..... | .....        | .....   |
| Venango      | 64 445         | 679    | .....      | ..... | .....       | ..... | .....        | .....   |
| Warren       | 47 707         | 885    | .....      | ..... | .....       | ..... | .....        | .....   |
| Washington   | .....          | .....  | .....      | ..... | 217 162     | 858   | .....        | .....   |
| Wayne        | .....          | .....  | .....      | ..... | 38 414      | 731   | .....        | .....   |
| Westmoreland | .....          | .....  | 385 141    | 1 033 | .....       | ..... | .....        | .....   |
| Wyoming      | .....          | .....  | .....      | ..... | .....       | ..... | 27 557       | 399     |
| York         | 324 687        | 906    | .....      | ..... | .....       | ..... | .....        | .....   |
| TOTAL STATE  | 9 115 680      | 20 270 | 338 141    | 1 033 | 1 186 856   | 6 535 | 1 268 406    | 17 054  |
|              |                |        |            |       |             |       | ( 960 670    | 10 882) |
|              |                |        |            |       |             |       | ( 297 736    | 6 172)* |

\*Less than .5 psi overpressure

S T A T E O F V I R G I N I A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 5,715,659  
Land Area: 39,700 square miles

| COUNTY       | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |       |
|--------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|-------|
|              | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA  |
| Accomack     | .....          | ..... | .....               | .....      | 30 877             | 476        | 59 605              | 725   |
| Albemarle    | .....          | ..... | .....               | .....      | .....              | .....      | 13 541              | 446   |
| Alleghany    | .....          | ..... | .....               | .....      | .....              | .....      | 8 247               | 357   |
| Amelia       | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Amherst      | .....          | ..... | 29 207              | 478        | .....              | .....      | .....               | ..... |
| Appomattox   | .....          | ..... | .....               | .....      | .....              | .....      | 12 380              | 336   |
| Arlington    | 154 597        | 26    | .....               | .....      | .....              | .....      | .....               | ..... |
| Augusta      | 54 869         | 989   | .....               | .....      | .....              | .....      | 5 302               | 537*  |
| Bath         | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Bedford      | .....          | ..... | 37 379              | 747        | .....              | .....      | .....               | ..... |
| Bland        | .....          | ..... | .....               | .....      | .....              | .....      | 6 584               | 359   |
| Botetourt    | 23 987         | 545   | .....               | .....      | .....              | .....      | 16 369              | 563   |
| Brunswick    | .....          | ..... | .....               | .....      | .....              | .....      | 37 878              | 504*  |
| Buchanan     | .....          | ..... | .....               | .....      | .....              | .....      | 11 972              | 583*  |
| Buckingham   | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Campbell     | .....          | ..... | 46 194              | 505        | .....              | .....      | .....               | ..... |
| Caroline     | 18 878         | 536   | .....               | .....      | .....              | .....      | 28 517              | 478   |
| Carroll      | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Charles City | .....          | ..... | 6 751               | 181        | .....              | .....      | .....               | ..... |
| Charlotte    | .....          | ..... | .....               | .....      | .....              | .....      | 11 840              | 476*  |
| Chesterfield | 164 500        | 434   | .....               | .....      | .....              | .....      | .....               | ..... |
| Clarke       | 10 212         | 178   | .....               | .....      | .....              | .....      | 4 029               | 330   |
| Craig        | .....          | ..... | .....               | .....      | .....              | .....      | 23 367              | 382   |
| Culpeper     | .....          | ..... | .....               | .....      | .....              | .....      | 7 883               | 300*  |
| Cumberland   | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |

\*Less than .5 psi overpressure

STATE OF VIRGINIA (Continued)

| COUNTY        | VERY HIGH RISK<br>POPULATION | AREA | HIGH RISK<br>POPULATION | AREA | MEDIUM RISK<br>POPULATION | AREA | LO/NO* RISK<br>POPULATION | AREA |
|---------------|------------------------------|------|-------------------------|------|---------------------------|------|---------------------------|------|
| Dickenson     |                              |      |                         |      |                           |      | 20 223                    | 331* |
| Dinwiddie     |                              |      |                         |      | 21 091                    | 507  |                           |      |
| Essex         |                              |      |                         |      |                           |      | 8 754                     | 263* |
| Fairfax       | 692 187                      | 393  |                         |      |                           |      |                           |      |
| Fauquier      | 40 110                       | 651  |                         |      |                           |      |                           |      |
| Floyd         |                              |      |                         |      | 11 749                    | 381  |                           |      |
| Fluvanna      |                              |      |                         |      |                           |      | 10 519                    | 290* |
| Franklin      |                              |      |                         |      |                           |      | 37 107                    | 683  |
| Frederick     |                              |      |                         |      |                           |      | 35 630                    | 415  |
| Giles         |                              |      |                         |      | 17 799                    | 362  |                           |      |
| Gloucester    |                              |      |                         |      |                           |      | 25 841                    | 225  |
| Goochland     |                              |      |                         |      |                           |      | 12 676                    | 281  |
| Grayson       |                              |      |                         |      |                           |      | 16 832                    | 446* |
| Greene        |                              |      |                         |      |                           |      | 8 522                     | 157* |
| Greensville   |                              |      |                         |      |                           |      | 10 082                    | 300* |
| Halifax       |                              |      | 29 663                  | 816  |                           |      |                           |      |
| Hanover       |                              |      |                         |      | 52 693                    | 468  |                           |      |
| Henrico       | 195 226                      | 238  |                         |      |                           |      | 56 311                    | 382* |
| Henry         |                              |      |                         |      |                           |      | 2 797                     | 416* |
| Highland      |                              |      |                         |      |                           |      |                           |      |
| Isle of Wight |                              |      | 25 553                  | 319  |                           |      |                           |      |
| James City    | 25 364                       | 153  |                         |      |                           |      | 5 897                     | 317* |
| King & Queen  |                              |      |                         |      |                           |      | 11 204                    | 180  |
| King George   |                              |      |                         |      |                           |      | 9 888                     | 278  |
| King William  |                              |      |                         |      |                           |      |                           |      |
| Lancaster     |                              |      |                         |      |                           |      | 10 760                    | 133* |
| Lee           |                              |      |                         |      |                           |      | 27 010                    | 437* |
| Loudoun       | 63 985                       | 521  |                         |      |                           |      |                           |      |
| Louisa        | 19 918                       | 497  |                         |      |                           |      |                           |      |
| Lunenburg     |                              |      |                         |      | 12 155                    | 432  |                           |      |

\*Less than .5 psi overpressure

STATE OF VIRGINIA (Continued)

| COUNTY         | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |       |
|----------------|----------------|-------|------------|-------|-------------|-------|--------------|-------|
|                | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA  |
| Madison        | .....          | ..... | .....      | ..... | .....       | ..... | 10 609       | 322*  |
| Mathews        | .....          | ..... | .....      | ..... | .....       | ..... | 8 623        | 87    |
| Mecklenburg    | .....          | ..... | .....      | ..... | .....       | ..... | 27 798       | 616*  |
| Middlesex      | .....          | ..... | .....      | ..... | .....       | ..... | 8 286        | 134*  |
| Montgomery     | 65 379         | 390   | .....      | ..... | .....       | ..... | .....        | ..... |
| Nelson         | .....          | ..... | .....      | ..... | 12 336      | 475   | .....        | ..... |
| New Kent       | .....          | ..... | .....      | ..... | .....       | ..... | 10 111       | 213   |
| Northampton    | .....          | ..... | .....      | ..... | 14 097      | 226   | .....        | ..... |
| Northumberland | .....          | ..... | .....      | ..... | .....       | ..... | 9 918        | 185*  |
| Nottoway       | 14 182         | 317   | .....      | ..... | .....       | ..... | .....        | ..... |
| Orange         | .....          | ..... | .....      | ..... | .....       | ..... | 19 053       | 342   |
| Page           | .....          | ..... | .....      | ..... | .....       | ..... | 19 593       | 313*  |
| Patrick        | .....          | ..... | .....      | ..... | .....       | ..... | 17 739       | 481   |
| Pittsylvania   | .....          | ..... | .....      | ..... | .....       | ..... | 66 604       | 995   |
| Powhatan       | .....          | ..... | .....      | ..... | .....       | ..... | 13 752       | 261   |
| Prince Edward  | .....          | ..... | .....      | ..... | .....       | ..... | 16 928       | 354   |
| Prince George  | 26 007         | 266   | .....      | ..... | .....       | ..... | .....        | ..... |
| Prince William | 169 165        | 339   | .....      | ..... | .....       | ..... | .....        | ..... |
| Pulaski        | 34 978         | 318   | .....      | ..... | .....       | ..... | .....        | ..... |
| Rappahannock   | .....          | ..... | .....      | ..... | .....       | ..... | 6 117        | 267   |
| Richmond       | .....          | ..... | .....      | ..... | .....       | ..... | 6 816        | 193*  |
| Roanoke        | .....          | ..... | .....      | ..... | .....       | ..... | 74 101       | 251   |
| Rockbridge     | .....          | ..... | .....      | ..... | .....       | ..... | 18 123       | 603   |
| Rockingham     | .....          | ..... | .....      | ..... | .....       | ..... | 53 179       | 865   |
| Russell        | .....          | ..... | .....      | ..... | .....       | ..... | 33 140       | 479   |
| Scott          | .....          | ..... | .....      | ..... | 25 669      | 536   | .....        | ..... |
| Shenandoah     | .....          | ..... | .....      | ..... | .....       | ..... | 28 403       | 512*  |
| Smyth          | .....          | ..... | .....      | ..... | .....       | ..... | 33 437       | 452*  |
| Southampton    | .....          | ..... | .....      | ..... | .....       | ..... | 19 089       | 603*  |
| Spotsylvania   | 36 716         | 404   | .....      | ..... | .....       | ..... | .....        | ..... |

\*Less than .5 psi overpressure

STATE OF VIRGINIA (Continued)

| COUNTY             | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|--------------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Stafford           | 6 288                        | 281                    | 48 799                  | 271               |                           |                     | 10 226                     | 492                  |
| Surry              |                              |                        |                         |                   |                           |                     |                            |                      |
| Sussex             |                              |                        | 51 785                  | 520               |                           |                     | 22 363                     | 217*                 |
| Tazewell           |                              |                        |                         |                   |                           |                     |                            |                      |
| Warren             |                              |                        |                         |                   |                           |                     |                            |                      |
| Washington         |                              |                        |                         |                   |                           |                     | 47 631                     | 563*                 |
| Westmoreland       |                              |                        |                         |                   |                           |                     | 14 279                     | 227                  |
| Wise               |                              |                        |                         |                   |                           |                     | 45 748                     | 405*                 |
| Wythe              |                              |                        |                         |                   |                           |                     | 25 624                     | 464*                 |
| York               | 40 171                       | 113                    |                         |                   |                           |                     |                            |                      |
| INDEPENDENT CITIES |                              |                        |                         |                   |                           |                     |                            |                      |
| Alexandria         | 107 977                      | 15                     |                         |                   |                           |                     | 6 277                      | 7                    |
| Bedford            |                              |                        |                         |                   |                           |                     | 18 401                     | 12*                  |
| Bristol            |                              |                        |                         |                   |                           |                     | 6 414                      | 3*                   |
| Buena Vista        |                              |                        |                         |                   |                           |                     | 40 757                     | 10*                  |
| Charlottesville    |                              |                        |                         |                   |                           |                     |                            |                      |
| Chesapeake         | 128 906                      | 340                    |                         |                   |                           |                     | 4 803                      | 3*                   |
| Clifton Forge      |                              |                        |                         |                   |                           |                     |                            |                      |
| Colonial Heights   |                              |                        | 17 613                  | 8                 |                           |                     | 7 492                      | 4*                   |
| Covington          |                              |                        |                         |                   |                           |                     | 44 426                     | 17*                  |
| Danville           |                              |                        |                         |                   |                           |                     |                            |                      |
| Emporia            |                              |                        |                         |                   |                           |                     | 4 822                      | 2*                   |
| Fairfax            |                              |                        |                         |                   |                           | 20 471              |                            | 6                    |
| Falls Church       |                              |                        | 9 547                   | 2                 |                           |                     | 7 175                      | 4*                   |
| Franklin           |                              |                        |                         |                   |                           |                     | 19 356                     | 6                    |
| Fredericksburg     |                              |                        |                         |                   |                           |                     |                            |                      |
| Galax              |                              |                        |                         |                   |                           |                     | 6 507                      | 8*                   |
| Hampton            | 126 828                      | 51                     |                         |                   |                           |                     | 26 543                     | 6*                   |
| Harrisonburg       |                              |                        |                         |                   |                           |                     |                            |                      |
| Hopewell           | 24 495                       | 10                     |                         |                   |                           |                     | 6 774                      | 2*                   |
| Lexington          |                              |                        |                         |                   |                           |                     |                            |                      |

\*Less than .5 psi overpressure

STATE OF VIRGINIA (Continued)

| COUNTY             | VERY HIGH RISK<br>POPULATION | HIGH RISK<br>POPULATION | MEDIUM RISK<br>POPULATION | LOW/NO* RISK<br>POPULATION | AREA           | AREA         | AREA             | AREA          |
|--------------------|------------------------------|-------------------------|---------------------------|----------------------------|----------------|--------------|------------------|---------------|
| Lynchburg          | 67 430                       | 49                      |                           | 25 643                     |                |              | 8                |               |
| Manassas           |                              |                         |                           | 6 524                      |                |              | 2*               |               |
| Manassas Park      |                              |                         |                           | 18 264                     |                |              | 11*              |               |
| Martinsville       | 159 965                      | 65                      |                           |                            |                |              |                  |               |
| Newport News       |                              |                         |                           |                            |                |              |                  |               |
| Norfolk            | 282 850                      | 53                      |                           | 4 446                      |                |              | 7*               |               |
| Norton             |                              |                         |                           |                            |                |              |                  |               |
| Petersburg         | 40 714                       | 23                      |                           |                            |                |              |                  |               |
| Poquoson           | 10 073                       | 17                      |                           |                            |                |              |                  |               |
| Portsmouth         | 108 802                      | 30                      |                           |                            |                |              |                  |               |
| Radford            | 13 415                       | 7                       |                           |                            |                |              |                  |               |
| Richmond           | 219 010                      | 60                      |                           |                            |                |              |                  |               |
| Roanoke            |                              |                         | 100 799                   |                            |                | 43           |                  |               |
| Salem              |                              |                         |                           | 24 293                     |                |              | 14               |               |
| South Boston       |                              |                         |                           | 7 353                      |                |              | 5*               |               |
| Staunton           |                              |                         |                           | 21 871                     |                |              | 8                |               |
| Suffolk            |                              |                         | 49 070                    |                            |                | 409          |                  |               |
| Virginia Beach     | 320 264                      | 256                     |                           |                            |                |              |                  |               |
| Waynesboro         | 15 194                       | 8                       |                           |                            |                |              |                  |               |
| Williamsburg       |                              |                         | 11 161                    |                            |                | 5            |                  |               |
| Winchester         |                              |                         |                           | 20 561                     |                |              | 9                |               |
| <b>TOTAL STATE</b> | <b>3 482 624</b>             | <b>8 573</b>            | <b>201 907</b>            | <b>3 847</b>               | <b>379 967</b> | <b>3 964</b> | <b>1 650 843</b> | <b>23 316</b> |
|                    |                              |                         |                           |                            |                |              | ( 882 245        | ( 12 762)     |
|                    |                              |                         |                           |                            |                |              | ( 768 598        | ( 10 554)*    |

\*Less than .5 psi overpressure

S T A T E O F W E S T V I R G I N I A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 1,952,256  
Land Area: 24,124 square miles

| COUNTY     | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |       |
|------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|-------|
|            | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA  |
| Barbour    | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Berkeley   | 50 737         | 322   | .....               | .....      | 16 575             | 343        | 30 926              | 503   |
| Boone      | .....          | ..... | .....               | .....      | .....              | .....      | 14 867              | 513*  |
| Braxton    | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Brooke     | 29 855         | 90    | .....               | .....      | .....              | .....      | .....               | ..... |
| Cabell     | 105 480        | 282   | .....               | .....      | .....              | .....      | 8 754               | 280*  |
| Calhoun    | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Clay       | .....          | ..... | .....               | .....      | 11 636             | 346        | 7 728               | 321   |
| Dodridge   | .....          | ..... | .....               | .....      | .....              | .....      | 56 777              | 667   |
| Fayette    | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Gilmer     | .....          | ..... | .....               | .....      | .....              | .....      | 8 570               | 340*  |
| Grant      | 10 700         | 480   | .....               | .....      | .....              | .....      | .....               | ..... |
| Greenbrier | 36 418         | 1 025 | .....               | .....      | .....              | .....      | .....               | ..... |
| Hampshire  | .....          | ..... | .....               | .....      | .....              | .....      | 16 044              | 644*  |
| Hancock    | 39 360         | 85    | .....               | .....      | .....              | .....      | .....               | ..... |
| Hardy      | .....          | ..... | .....               | .....      | .....              | .....      | 10 750              | 585*  |
| Harrison   | 77 827         | 417   | .....               | .....      | .....              | .....      | .....               | ..... |
| Jackson    | .....          | ..... | .....               | .....      | .....              | .....      | 26 271              | 464   |
| Jefferson  | 32 646         | 209   | .....               | .....      | .....              | .....      | .....               | ..... |
| Kanawha    | 225 530        | 901   | .....               | .....      | .....              | .....      | .....               | ..... |
| Lewis      | .....          | ..... | .....               | .....      | .....              | .....      | 18 828              | 389   |
| Lincoln    | 23 898         | 439   | .....               | .....      | .....              | .....      | .....               | ..... |
| Logan      | .....          | ..... | .....               | .....      | .....              | .....      | 51 109              | 456*  |
| McDowell   | 46 772         | 535   | .....               | .....      | .....              | .....      | .....               | ..... |
| Marion     | 64 570         | 312   | .....               | .....      | .....              | .....      | .....               | ..... |

\* Less than .5 psi overpressure

STATE OF WEST VIRGINIA (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Marshall   | 40 688                       | 305                    |                         |                   |                           |                     |                            |                      |
| Mason      | 26 520                       | 433                    |                         |                   |                           |                     |                            |                      |
| Mercer     | 74 229                       | 420                    |                         |                   |                           |                     |                            |                      |
| Mineral    | 27 657                       | 329                    |                         |                   |                           |                     | 38 728                     | 424*                 |
| Mingo      |                              |                        |                         |                   |                           |                     |                            |                      |
| Monongalia |                              |                        |                         |                   |                           |                     | 78 079                     | 363                  |
| Monroe     |                              |                        |                         |                   |                           |                     | 13 156                     | 473                  |
| Morgan     |                              |                        |                         |                   |                           |                     | 11 225                     | 230                  |
| Nicholas   |                              |                        |                         |                   |                           |                     | 27 964                     | 650*                 |
| Ohio       |                              |                        |                         |                   | 60 308                    | 106                 |                            |                      |
| Pendleton  |                              |                        |                         |                   |                           |                     | 7 970                      | 698*                 |
| Pleasants  | 7 959                        | 131                    |                         |                   |                           |                     | 9 687                      | 942*                 |
| Pocahontas |                              |                        |                         |                   |                           |                     | 31 346                     | 651                  |
| Preston    |                              |                        |                         |                   |                           |                     |                            |                      |
| Putnam     | 40 735                       | 346                    |                         |                   |                           |                     |                            |                      |
| Raleigh    |                              |                        |                         |                   |                           |                     | 86 190                     | 608                  |
| Randolph   |                              |                        |                         |                   |                           |                     | 29 608                     | 1 040*               |
| Ritchie    |                              |                        |                         |                   |                           |                     | 11 700                     | 454                  |
| Roane      |                              |                        |                         |                   | 15 630                    | 484                 |                            |                      |
| Summers    |                              |                        |                         |                   |                           |                     | 15 424                     | 353                  |
| Taylor     |                              |                        | 16 499                  | 174               |                           |                     |                            |                      |
| Tucker     |                              |                        |                         |                   | 8 759                     | 421                 |                            |                      |
| Tyler      |                              |                        |                         |                   | 11 013                    | 258                 |                            |                      |
| Upshur     |                              |                        |                         |                   |                           |                     | 24 904                     | 355                  |
| Wayne      | 46 385                       | 508                    |                         |                   |                           |                     |                            |                      |

\*Less than .5 psi overpressure



STATE OF WEST VIRGINIA (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | HIGH RISK<br>POPULATION | MEDIUM RISK<br>POPULATION | LOW/NO* RISK<br>POPULATION | AREA  | AREA  | AREA      | AREA    |
|-------------|------------------------------|-------------------------|---------------------------|----------------------------|-------|-------|-----------|---------|
| Webster     | .....                        | .....                   | .....                     | 11 609                     | ..... | ..... | .....     | 556*    |
| Wetzel      | .....                        | 22 106                  | .....                     | .....                      | 359   | ..... | .....     | .....   |
| Wirt        | .....                        | .....                   | .....                     | 5 281                      | ..... | ..... | .....     | 235*    |
| Wood        | 92 885                       | 368                     | .....                     | .....                      | ..... | ..... | .....     | .....   |
| Wyoming     | .....                        | .....                   | 35 334                    | .....                      | ..... | ..... | 502       | .....   |
| TOTAL STATE | 1 100 851                    | 38 605                  | 159 255                   | 653 545                    | 533   | 2 151 | ( 412 604 | 13 503  |
|             |                              |                         |                           | ( 240 941                  |       |       | 6 140)    | 7 363)* |

\* Less than .5 psi overpressure

F E M A R E G I O N I V - - D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 42,442,705  
 Land Area: 379,046 square miles

| STATE           | VERY HIGH RISK<br>GT 10 PSI |        | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |        | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |        | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |          |
|-----------------|-----------------------------|--------|----------------------------------|--------|-----------------------------------|--------|-------------------------------------|----------|
|                 | POPULATION                  | AREA   | POPULATION                       | AREA   | POPULATION                        | AREA   | POPULATION                          | AREA     |
| Alabama         | 2 097 642                   | 11 466 | 47 012                           | 622    | 293 160                           | 4 514  | 1 521 331                           | 34 137   |
| Florida         | 8 793 081                   | 22 226 | ---                              | ---    | 302 800                           | 3 132  | ( 838 407)                          | 16 789)  |
| Georgia         | 3 233 308                   | 9 311  | 371 511                          | 4 297  | 395 251                           | 4 824  | ( 682 924)                          | 17 348)* |
| Kentucky        | 1 555 778                   | 7 020  | 106 002                          | 936    | 312 507                           | 2 083  | 2 787 465                           | 38 039   |
| Mississippi     | 1 034 591                   | 8 037  | 39 226                           | 1 093  | 149 393                           | 3 214  | (1 449 745)                         | 21 841)  |
| North Carolina  | 2 342 278                   | 10 017 | ---                              | ---    | 809 177                           | 4 625  | (1 337 720)                         | 16 198)* |
| South Carolina  | 1 384 092                   | 8 113  | 199 592                          | 2 058  | 32 178                            | 1 145  | 1 929 163                           | 39 685   |
| Tennessee       | 2 459 809                   | 6 849  | 213 131                          | 2 717  | 108 999                           | 1 934  | ( 859 567)                          | 16 431)  |
| TOTAL REGION IV | 22 990 579                  | 83 039 | 976 474                          | 11 723 | 2 403 465                         | 25 471 | (1 069 596)                         | 23 254)* |
|                 |                             |        |                                  |        |                                   |        | 1 755 859                           | 29 550   |
|                 |                             |        |                                  |        |                                   |        | ( 601 871)                          | 11 122)  |
|                 |                             |        |                                  |        |                                   |        | (1 153 988)                         | 18 428)* |
|                 |                             |        |                                  |        |                                   |        | 1 393 923                           | 34 830   |
|                 |                             |        |                                  |        |                                   |        | ( 278 077)                          | 7 863)   |
|                 |                             |        |                                  |        |                                   |        | (1 115 846)                         | 26 967)* |
|                 |                             |        |                                  |        |                                   |        | 3 082 319                           | 34 201   |
|                 |                             |        |                                  |        |                                   |        | (1 133 455)                         | 10 002)  |
|                 |                             |        |                                  |        |                                   |        | (1 948 864)                         | 24 001)* |
|                 |                             |        |                                  |        |                                   |        | 1 727 560                           | 18 891   |
|                 |                             |        |                                  |        |                                   |        | (1 079 509)                         | 10 118)  |
|                 |                             |        |                                  |        |                                   |        | ( 648 051)                          | 8 773)*  |
|                 |                             |        |                                  |        |                                   |        | 1 874 577                           | 29 430   |
|                 |                             |        |                                  |        |                                   |        | ( 888 913)                          | 11 507)  |
|                 |                             |        |                                  |        |                                   |        | ( 985 664)                          | 17 923)* |
|                 |                             |        |                                  |        |                                   |        | 16 072 187                          | 258 813  |
|                 |                             |        |                                  |        |                                   |        | (6 109 444)                         | 105 673) |
|                 |                             |        |                                  |        |                                   |        | (9 962 743)                         | 153 140) |

\*Less than .5 psi overpressure

S T A T E O F A L A B A M A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 3,959,145  
Land Area: 50,739 square miles

| COUNTY    | VERY HIGH RISK          |       | HIGH RISK                   |       | MEDIUM RISK                 |       | LOW/NO* RISK                 |       |
|-----------|-------------------------|-------|-----------------------------|-------|-----------------------------|-------|------------------------------|-------|
|           | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT<br>POPULATION | AREA  | EQ/GT 2PSI LT<br>POPULATION | AREA  | EQ/GT .5PSI LT<br>POPULATION | AREA  |
| Autauga   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 33 760                       | 597   |
| Baldwin   | .....                   | ..... | .....                       | ..... | 88 981                      | 1 590 | .....                        | ..... |
| Barbour   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 25 494                       | 884*  |
| Bibb      | .....                   | ..... | .....                       | ..... | .....                       | ..... | 16 836                       | 625   |
| Blount    | .....                   | ..... | .....                       | ..... | .....                       | ..... | 37 155                       | 643   |
| Bullock   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 10 624                       | 625*  |
| Butler    | .....                   | ..... | .....                       | ..... | .....                       | ..... | 22 263                       | 779*  |
| Calhoun   | 127 200                 | 611   | .....                       | ..... | .....                       | ..... | 40 557                       | 596   |
| Chambers  | .....                   | ..... | .....                       | ..... | .....                       | ..... | 19 540                       | 553*  |
| Cherokee  | .....                   | ..... | .....                       | ..... | .....                       | ..... | .....                        | ..... |
| Chilton   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 31 425                       | 695*  |
| Choctaw   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 16 995                       | 909*  |
| Clark     | .....                   | ..... | .....                       | ..... | 28 781                      | 1 203 | .....                        | ..... |
| Clay      | .....                   | ..... | .....                       | ..... | .....                       | ..... | 13 582                       | 605   |
| Cleburne  | .....                   | ..... | .....                       | ..... | .....                       | ..... | 12 925                       | 561   |
| Coffee    | 40 578                  | 680   | .....                       | ..... | .....                       | ..... | .....                        | ..... |
| Colbert   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 53 878                       | 589*  |
| Conecuh   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 15 464                       | 854*  |
| Coosa     | .....                   | ..... | .....                       | ..... | .....                       | ..... | 11 336                       | 657   |
| Covington | .....                   | ..... | .....                       | ..... | .....                       | ..... | 37 040                       | 1 038 |
| Crenshaw  | .....                   | ..... | .....                       | ..... | .....                       | ..... | 13 832                       | 611*  |
| Cullman   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 64 229                       | 738   |
| Dale      | 45 314                  | 561   | .....                       | ..... | .....                       | ..... | .....                        | ..... |
| Dallas    | .....                   | ..... | .....                       | ..... | .....                       | ..... | 55 090                       | 975*  |
| De Kalb   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 55 080                       | 778   |

\*Less than .5 psi overpressure

STATE OF ALABAMA (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA  | LOW/NO* RISK<br>POPULATION | AREA   |
|------------|------------------------------|-------|-------------------------|-------|---------------------------|-------|----------------------------|--------|
| Elmore     | .....                        | 622   | 47 012                  | ..... | .....                     | ..... | 37 656                     | x 951  |
| Escambia   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 103 697                    | x 542  |
| Etowah     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 19 147                     | x 630  |
| Fayette    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 28 748                     | 643*   |
| Franklin   | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Geneva     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 23 783                     | 578    |
| Greene     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 11 243                     | 631    |
| Hale       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 15 065                     | 661*   |
| Henry      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 15 326                     | 557    |
| Houston    | 79 172                       | 577   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Jackson    | 51 402                       | 1 069 | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Jefferson  | 671 808                      | 1 119 | .....                   | ..... | .....                     | ..... | 16 420                     | 605    |
| Lamar      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 81 917                     | 661*   |
| Lauderdale | .....                        | ..... | .....                   | ..... | .....                     | ..... | 31 671                     | 693*   |
| Lawrence   | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Lee        | .....                        | ..... | .....                   | ..... | 79 209                    | 609   | .....                      | .....  |
| Limestone  | .....                        | ..... | .....                   | ..... | 47 639                    | 559   | .....                      | .....  |
| Lowndes    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 13 093                     | 714    |
| Macon      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 25 901                     | 614*   |
| Madison    | 213 250                      | 806   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Marengo    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 24 957                     | 982*   |
| Marion     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 31 414                     | 743*   |
| Marshall   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 69 502                     | 567*   |
| Mobile     | 328 158                      | 1 238 | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Monroe     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 22 468                     | 1 019* |

\*Less than .5 psi overpressure

STATE OF ALABAMA (Continued)

| COUNTY      | VERY HIGH RISK |        | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |          |
|-------------|----------------|--------|------------|-------|-------------|-------|--------------|----------|
|             | POPULATION     | AREA   | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA     |
| Montgomery  | 206 993        | 793    | .....      | ..... | .....       | ..... | .....        | .....    |
| Morgan      | 94 796         | 575    | .....      | ..... | .....       | ..... | 15 045       | 719*     |
| Perry       | .....          | .....  | .....      | ..... | .....       | ..... | 21 915       | 890      |
| Pickens     | .....          | .....  | .....      | ..... | .....       | ..... | 28 106       | 672      |
| Pike        | .....          | .....  | .....      | ..... | .....       | ..... | .....        | .....    |
| Randolph    | .....          | .....  | .....      | ..... | .....       | ..... | 20 236       | 585      |
| Russell     | .....          | .....  | .....      | ..... | 48 550      | 634   | .....        | .....    |
| St Clair    | .....          | .....  | .....      | ..... | .....       | ..... | 44 539       | 646      |
| Shelby      | 75 418         | 800    | .....      | ..... | .....       | ..... | .....        | .....    |
| Sumter      | .....          | .....  | .....      | ..... | .....       | ..... | 17 202       | 907*     |
| Talladega   | 77 228         | 753    | .....      | ..... | .....       | ..... | .....        | .....    |
| Tallapoosa  | .....          | .....  | .....      | ..... | .....       | ..... | 39 107       | 701*     |
| Tuscaloosa  | .....          | .....  | .....      | ..... | .....       | ..... | 139 201      | 1 336    |
| Walker      | 68 882         | 803    | .....      | ..... | .....       | ..... | .....        | .....    |
| Washington  | 17 443         | 1 081  | .....      | ..... | .....       | ..... | .....        | .....    |
| Wilcox      | .....          | .....  | .....      | ..... | .....       | ..... | 15 322       | 883*     |
| Winston     | .....          | .....  | .....      | ..... | .....       | ..... | 21 545       | 614      |
| TOTAL STATE | 2 097 642      | 11 466 | 47 012     | 622   | 293 160     | 4 514 | 1 521 331    | 34 137   |
|             |                |        |            |       |             |       | ( 838 407    | 16 789)  |
|             |                |        |            |       |             |       | ( 682 924    | 17 348)* |

\*Less than .5 psi overpressure

S T A T E O F F L O R I D A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 11,883,346  
Land Area: 63,397 square miles

| COUNTY    | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |      |
|-----------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|------|
|           | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA |
| Alachua   | .....          | ..... | .....               | .....      | .....              | 789 260    | 902*                |      |
| Baker     | .....          | ..... | .....               | .....      | .....              | 17 591     | 585*                |      |
| Bay       | .....          | ..... | .....               | 141 180    | 758                |            |                     |      |
| Bradford  | .....          | ..... | .....               | .....      | .....              | 23 983     | 293                 |      |
| Brevard   | 343 585        | 995   | .....               | .....      | .....              |            |                     |      |
| Broward   | 1 112 075      | 1 211 | .....               | .....      | .....              | 9 556      | 568*                |      |
| Calhoun   | .....          | ..... | .....               | .....      | .....              |            |                     |      |
| Charlotte | 79 404         | 690   | .....               | .....      | .....              |            |                     |      |
| Citrus    | 78 546         | 629   | .....               | .....      | .....              |            |                     |      |
| Clay      | 84 793         | 592   | .....               | .....      | .....              |            |                     |      |
| Collier   | .....          | ..... | .....               | .....      | .....              | 116 981    | 1 994*              |      |
| Columbia  | .....          | ..... | .....               | .....      | .....              | 39 947     | 797*                |      |
| Dade      | 1 726 021      | 1 995 | .....               | .....      | .....              | 21 295     | 636                 |      |
| De Soto   | .....          | ..... | .....               | .....      | .....              | 9 476      | 701*                |      |
| Dixie     | .....          | ..... | .....               | .....      | .....              |            |                     |      |
| Duval     | 623 035        | 776   | .....               | .....      | .....              |            |                     |      |
| Escambia  | 260 730        | 661   | .....               | .....      | .....              | 16 816     | 491                 |      |
| Flagler   | .....          | ..... | .....               | .....      | .....              | 8 343      | 545                 |      |
| Franklin  | .....          | ..... | .....               | .....      | .....              | 43 693     | 518                 |      |
| Gadsden   | .....          | ..... | .....               | .....      | .....              |            |                     |      |
| Gilchrist | .....          | ..... | .....               | .....      | .....              | 7 267      | 354*                |      |
| Glades    | .....          | ..... | .....               | .....      | .....              | 6 765      | 763*                |      |
| Gulf      | .....          | ..... | .....               | .....      | .....              | 11 349     | 559                 |      |
| Hamilton  | .....          | ..... | .....               | .....      | .....              | 9 342      | 517*                |      |
| Hardee    | .....          | ..... | .....               | .....      | .....              | 20 818     | 637*                |      |

\*Less than .5 psi overpressure

STATE OF FLORIDA (Continued)

| COUNTY       | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|--------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Hendry       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 22 565                     | 1 163*               |
| Hernando     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 74 901                     | 4 777*               |
| Highlands    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 58 524                     | 1 029*               |
| Hillsborough | 743 771                      | 1 053                  | .....                   | .....             | .....                     | .....               | 15 934                     | 488*                 |
| Holmes       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Indian River | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 77 629                     | 497                  |
| Jackson      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 40 768                     | 942*                 |
| Jefferson    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 658                     | 609                  |
| Lafayette    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 332                      | 545*                 |
| Lake         | .....                        | .....                  | .....                   | .....             | 127 239                   | 954                 | .....                      | .....                |
| Lee          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 246 738                    | 803                  |
| Leon         | 168 231                      | 676                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Levy         | 24 623                       | 1 100                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Liberty      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 576                      | 837*                 |
| Madison      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 15 443                     | 710                  |
| Manatee      | 174 772                      | 947                    | .....                   | .....             | .....                     | .....               | 163 799                    | 1 610                |
| Marion       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Martin       | 82 856                       | 555                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Monroe       | 71 003                       | 1 034                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Nassau       | .....                        | .....                  | .....                   | .....             | 38 569                    | 649                 | .....                      | .....                |
| Okaloosa     | 131 901                      | 936                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Okeechobee   | .....                        | .....                  | .....                   | .....             | 25 812                    | 771                 | .....                      | .....                |
| Orange       | 547 930                      | 910                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Osceola      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 74 576                     | 1 350                |
| Palm Beach   | 721 030                      | 1 993                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Pasco        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 232 936                    | 738                  |
| Pinellas     | 808 500                      | 280                    | .....                   | .....             | .....                     | .....               | 363 740                    | 1 823                |
| Polk         | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 59 098                     | 733                  |
| Putnam       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 67 087                     | 617                  |
| St Johns     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |

\*Less than .5 psi overpressure

STATE OF FLORIDA (Continued)

| COUNTY      | VERY HIGH RISK |        | HIGH RISK  |      | MEDIUM RISK |       | LOW/NO* RISK |          |
|-------------|----------------|--------|------------|------|-------------|-------|--------------|----------|
|             | POPULATION     | AREA   | POPULATION | AREA | POPULATION  | AREA  | POPULATION   | AREA     |
| St Lucie    | 117 109        | 581    |            |      |             |       |              |          |
| Santa Rosa  | 65 097         | 1 024  |            |      |             |       |              |          |
| Sarasota    | 246 395        | 573    |            |      |             |       |              |          |
| Seminole    | 232 587        | 298    |            |      |             |       | 29 162       | 561*     |
| Sumter      |                |        |            |      |             |       |              |          |
| Suwannee    |                |        |            |      |             |       | 25 644       | 690*     |
| Taylor      |                |        |            |      |             |       | 18 167       | 1 058*   |
| Union       |                |        |            |      |             |       | 11 562       | 246      |
| Volusia     | 310 689        | 1 113  |            |      |             |       |              |          |
| Wakulla     | 12 889         | 601    |            |      |             |       |              |          |
| Walton      | 25 509         | 1 066  |            |      |             |       | 16 144.      | 590*     |
| Washington  |                |        |            |      |             |       |              |          |
| TOTAL STATE | 8 793 081      | 22 226 | ---        | ---  | 302 800     | 3 132 | 2 787 465    | 38 039   |
|             |                |        |            |      |             |       | (1 449 745   | 21 841)  |
|             |                |        |            |      |             |       | (1 337 720   | 16 198)* |

\*Less than .5 psi overpressure



S T A T E O F G E O R G I A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 5,929,233  
 Land Area: 58,117 square miles

| COUNTY   | VERY HIGH RISK<br>GT 10 PSI |      | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |      | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |      | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |      |
|----------|-----------------------------|------|----------------------------------|------|-----------------------------------|------|-------------------------------------|------|
|          | POPULATION                  | AREA | POPULATION                       | AREA | POPULATION                        | AREA | POPULATION                          | AREA |
| Appling  | 16 441                      | 510  |                                  |      |                                   |      | 6 254                               | 344* |
| Atkinson |                             |      |                                  |      |                                   |      | 9 572                               | 286* |
| Bacon    |                             |      |                                  |      |                                   |      | 3 541                               | 347* |
| Baker    |                             |      |                                  |      |                                   |      | 38 659                              | 258* |
| Baldwin  |                             |      |                                  |      |                                   |      | 9 940                               | 234* |
| Banks    |                             |      |                                  |      |                                   |      | 24 768                              | 163  |
| Barrow   |                             |      |                                  |      |                                   |      |                                     |      |
| Bartow   | 44 059                      | 456  |                                  |      |                                   |      | 17 067                              | 254* |
| Ben Hill |                             |      |                                  |      |                                   |      | 13 842                              | 456  |
| Berrien  |                             |      |                                  |      |                                   |      |                                     |      |
| Bibb     | 158 476                     | 253  |                                  |      |                                   |      | 10 645                              | 219  |
| Bleckley |                             |      |                                  |      |                                   |      | 9 430                               | 444  |
| Brantley |                             |      |                                  |      |                                   |      | 15 299                              | 491  |
| Brooks   |                             |      |                                  |      |                                   |      | 12 164                              | 441  |
| Bryan    |                             |      |                                  |      |                                   |      | 37 271                              | 678* |
| Bulloch  |                             |      |                                  |      |                                   |      |                                     |      |
| Burke    |                             |      | 20 728                           | 833  |                                   |      | 15 169                              | 187  |
| Butts    |                             |      |                                  |      |                                   |      | 5 527                               | 284* |
| Calhoun  |                             |      |                                  |      |                                   |      |                                     |      |
| Camden   | 17 682                      | 649  |                                  |      |                                   |      | 7 833                               | 248* |
| Candler  |                             |      |                                  |      |                                   |      |                                     |      |
| Carroll  | 63 098                      | 502  |                                  |      |                                   |      |                                     |      |
| Catoosa  |                             |      |                                  |      | 38 746                            | 163  |                                     |      |
| Charlton |                             |      |                                  |      |                                   |      | 7 741                               | 780  |
| Chatham  | 214 908                     | 444  |                                  |      |                                   |      |                                     |      |

\*Less than .5 psi overpressure

STATE OF GEORGIA (Continued)

| COUNTY        | VERY HIGH RISK |       | HIGH RISK  |        | MEDIUM RISK |       | LOW/NO* RISK |       |
|---------------|----------------|-------|------------|--------|-------------|-------|--------------|-------|
|               | POPULATION     | AREA  | POPULATION | AREA   | POPULATION  | AREA  | POPULATION   | AREA  |
| Chattahoochee | .....          | ..... | .....      | .....  | .....       | ..... | 20 139       | 250   |
| Chattooga     | .....          | ..... | .....      | .....  | .....       | ..... | 21 345       | 314*  |
| Cherokee      | .....          | ..... | .....      | .....  | .....       | ..... | 65 533       | 424   |
| Clarke        | 76 890         | 122   | .....      | .....  | .....       | ..... | 3 278        | 197*  |
| Clay          | .....          | ..... | .....      | .....  | .....       | ..... | .....        | ..... |
| Clayton       | 165 686        | 148   | .....      | .....  | .....       | ..... | 6 863        | 821*  |
| Clinch        | .....          | ..... | .....      | .....  | .....       | ..... | .....        | ..... |
| Cobb          | 368 393        | 343   | .....      | .....  | .....       | ..... | 28 818       | 602*  |
| Coffee        | .....          | ..... | .....      | .....  | .....       | ..... | 36 484       | 556*  |
| Colquitt      | .....          | ..... | .....      | .....  | .....       | ..... | .....        | ..... |
| Columbia      | .....          | ..... | .....      | .....  | 51 795      | 290   | 13 889       | 232   |
| Cook          | .....          | ..... | .....      | .....  | .....       | ..... | 7 087        | 328   |
| Coweta        | .....          | ..... | .....      | .....  | 43 886      | 444   | 20 258       | 275*  |
| Crawford      | .....          | ..... | .....      | .....  | .....       | ..... | .....        | ..... |
| Crisp         | .....          | ..... | .....      | .....  | .....       | ..... | .....        | ..... |
| Dade          | .....          | ..... | .....      | .....  | .....       | ..... | 11 389       | 176   |
| Dawson        | .....          | ..... | .....      | .....  | .....       | ..... | 5 873        | 210*  |
| Decatur       | .....          | ..... | .....      | .....  | .....       | ..... | 26 635       | 586*  |
| De Kalb       | 506 550        | 270   | .....      | .....  | .....       | ..... | 16 747       | 504*  |
| Dodge         | .....          | ..... | .....      | .....  | .....       | ..... | .....        | ..... |
| Dooly         | .....          | ..... | .....      | .....  | .....       | ..... | 10 616       | 397*  |
| Dougherty     | 103 630        | 330   | .....      | .....  | .....       | ..... | .....        | ..... |
| Douglas       | 65 631         | 203   | .....      | .....  | .....       | ..... | .....        | ..... |
| Early         | .....          | ..... | .....      | 13 150 | 516         | ..... | .....        | ..... |
| Echols        | .....          | ..... | .....      | .....  | .....       | ..... | 2 235        | 420   |
| Effingham     | .....          | ..... | .....      | .....  | .....       | ..... | 21 091       | 482   |
| Elbert        | .....          | ..... | .....      | .....  | .....       | ..... | 19 042       | 367*  |
| Emanuel       | .....          | ..... | .....      | .....  | .....       | ..... | 21 366       | 688*  |
| Evans         | .....          | ..... | .....      | .....  | .....       | ..... | 8 504        | 186*  |
| Fannin        | 15 266         | 384   | .....      | .....  | .....       | ..... | .....        | ..... |

\*Less than .5 psi overpressure

STATE OF GEORGIA (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Fayette    | 621 030                      | 534                    |                         |                   | 42 806                    | 199                 | 78 516                     | 519                  |
| Floyd      |                              |                        |                         |                   |                           |                     | 34 431                     | 226                  |
| Forsyth    |                              |                        |                         |                   |                           |                     | 15 569                     | 264*                 |
| Franklin   |                              |                        |                         |                   |                           |                     |                            |                      |
| Fulton     |                              |                        |                         |                   |                           |                     |                            |                      |
| Gilmer     |                              |                        |                         |                   |                           |                     | 11 822                     | 427                  |
| Glascocock |                              |                        |                         |                   |                           |                     | 2 331                      | 144*                 |
| Glynn      | 60 350                       | 412                    |                         |                   |                           |                     | 32 616                     | 355*                 |
| Gordon     |                              |                        |                         |                   |                           |                     | 21 318                     | 459                  |
| Grady      |                              |                        |                         |                   |                           |                     |                            |                      |
| Greene     |                              |                        |                         |                   |                           |                     | 11 978                     | 390*                 |
| Gwinnett   |                              |                        | 246 112                 | 435               |                           |                     | 27 014                     | 278*                 |
| Habersham  |                              |                        |                         |                   |                           |                     | 83 207                     | 379*                 |
| Hall       |                              |                        |                         |                   |                           |                     | 9 302                      | 469*                 |
| Hancock    |                              |                        |                         |                   |                           |                     |                            |                      |
| Haralson   |                              |                        |                         |                   |                           |                     | 19 589                     | 283                  |
| Harris     |                              |                        | 16 380                  | 464               |                           |                     | 19 220                     | 230*                 |
| Hart       |                              |                        |                         |                   |                           |                     |                            |                      |
| Heard      |                              |                        | 6 750                   | 292               |                           |                     | 43 673                     | 321                  |
| Henry      |                              |                        |                         |                   |                           |                     |                            |                      |
| Houston    | 85 180                       | 380                    |                         |                   |                           |                     | 8 813                      | 362*                 |
| Irwin      |                              |                        |                         |                   |                           |                     |                            |                      |
| Jackson    |                              |                        | 27 158                  | 342               |                           |                     |                            |                      |
| Jasper     |                              |                        |                         |                   | 7 744                     | 371                 | 11 846                     | 335*                 |
| Jeff Davis |                              |                        |                         |                   |                           |                     | 18 725                     | 529*                 |
| Jefferson  |                              |                        |                         |                   |                           |                     |                            |                      |
| Jenkins    |                              |                        |                         |                   |                           |                     | 8 421                      | 353                  |
| Johnson    |                              |                        |                         |                   |                           |                     | 8 602                      | 307                  |
| Jones      | 18 579                       | 394                    |                         |                   |                           |                     | 12 294                     | 186*                 |
| Lamar      |                              |                        |                         |                   |                           |                     | 5 644                      | 194*                 |
| Lanier     |                              |                        |                         |                   |                           |                     |                            |                      |

\*Less than .5 psi overpressure

STATE OF GEORGIA (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Laurens    |                              |                        |                         |                   |                           |                     | 38 253                     | 816*                 |
| Lee        |                              |                        |                         |                   | 14 081                    | 358                 |                            |                      |
| Liberty    | 41 837                       | 517                    |                         |                   |                           |                     | 6 892                      | 196*                 |
| Lincoln    |                              |                        |                         |                   |                           |                     |                            |                      |
| Long       |                              |                        |                         |                   | 5 675                     | 402                 |                            |                      |
| Lowndes    | 72 742                       | 507                    |                         |                   |                           |                     | 12 036                     | 287*                 |
| Lumpkin    |                              |                        |                         |                   |                           |                     | 19 633                     | 256                  |
| McDuffie   |                              |                        |                         |                   |                           |                     |                            |                      |
| McIntosh   |                              |                        | 8 025                   | 425               |                           |                     | 14 188                     | 404*                 |
| Macon      |                              |                        |                         |                   |                           |                     |                            |                      |
| Madison    | 19 508                       | 285                    |                         |                   |                           |                     | 5 384                      | 366*                 |
| Marion     |                              |                        |                         |                   |                           |                     | 20 661                     | 506*                 |
| Meriwether |                              |                        |                         |                   |                           |                     | 6 795                      | 284*                 |
| Miller     |                              |                        |                         |                   |                           |                     |                            |                      |
| Mitchell   |                              |                        |                         |                   | 21 841                    | 512                 |                            |                      |
| Monroe     |                              |                        | 14 949                  | 397               |                           |                     | 6 934                      | 244                  |
| Montgomery |                              |                        |                         |                   |                           |                     | 12 230                     | 349                  |
| Morgan     |                              |                        |                         |                   |                           |                     | 21 438                     | 345                  |
| Murray     |                              |                        |                         |                   |                           |                     |                            |                      |
| Muscogee   | 177 080                      | 218                    |                         |                   |                           |                     |                            |                      |
| Newton     |                              |                        |                         |                   | 38 957                    | 277                 |                            |                      |
| Oconee     |                              |                        |                         |                   | 14 648                    | 186                 |                            |                      |
| Oglethorpe |                              |                        |                         |                   |                           |                     | 9 543                      | 442                  |
| Paulding   | 29 957                       | 312                    |                         |                   |                           |                     | 19 200                     | 151                  |
| Peach      |                              |                        |                         |                   |                           |                     |                            |                      |
| Pickens    |                              |                        |                         |                   |                           |                     | 13 303                     | 232*                 |
| Pierce     |                              |                        |                         |                   |                           |                     | 12 730                     | 344*                 |
| Pike       |                              |                        |                         |                   |                           |                     | 8 631                      | 219*                 |
| Polk       | 33 165                       | 312                    |                         |                   |                           |                     | 8 959                      | 249*                 |
| Pulaski    |                              |                        |                         |                   |                           |                     |                            |                      |

\*Less than .5 psi overpressure

STATE OF GEORGIA (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Putnam     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 700                     | 344*                 |
| Quitman    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 2 156                      | 146*                 |
| Rabun      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 840                     | 370*                 |
| Randolph   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 9 381                      | 481*                 |
| Richmond   | 189 036                      | 326                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Rockdale   | 44 501                       | 132                    | .....                   | .....             | .....                     | .....               | 3 354                      | 169*                 |
| Schley     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 14 396                     | 655*                 |
| Screven    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 8 775                      | 225                  |
| Seminole   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 51 453                     | 199*                 |
| Spalding   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Stephens   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 22 239                     | 177*                 |
| Stewart    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 862                      | 452*                 |
| Sumter     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 30 374                     | 488*                 |
| Talbot     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 6 496                      | 395*                 |
| Taliaferro | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 1 986                      | 196*                 |
| Tattnall   | .....                        | .....                  | .....                   | .....             | 17 783                    | 484                 | 8 082                      | 382*                 |
| Taylor     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 042                     | 444*                 |
| Telfair    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 943                     | 337                  |
| Terrell    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 38 187                     | 551                  |
| Thomas     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 33 722                     | 268                  |
| Tift       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Toombs     | 23 633                       | 371                    | .....                   | .....             | .....                     | .....               | 6 279                      | 165*                 |
| Towns      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 997                      | 202*                 |
| Treutlen   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 53 248                     | 415*                 |
| Troup      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 9 643                      | 289*                 |
| Turner     | .....                        | .....                  | .....                   | .....             | 9 744                     | 362                 | 10 583                     | 320*                 |
| Twiggs     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 26 591                     | 326*                 |
| Union      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Upson      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Walker     | .....                        | .....                  | .....                   | .....             | 55 155                    | 446                 | .....                      | .....                |

\*Less than .5 psi overpressure

STATE OF GEORGIA (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|-------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Walton      | .....                        | .....                  | .....                   | .....             | 32 390                    | 330                 | 37 123                     | 907                  |
| Ware        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 6 439                      | 286                  |
| Warren      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 19 307                     | 683                  |
| Washington  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 22 128                     | 647                  |
| Wayne       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Webster     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 2 077                      | 210                  |
| Wheeler     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 056                      | 299                  |
| White       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 205                     | 242                  |
| Whitfield   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 68 141                     | 291                  |
| Wilcox      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 7 559                      | 382                  |
| Wilkes      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 356                     | 470                  |
| Wilkinson   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 778                     | 458                  |
| Worth       | .....                        | .....                  | 18 259                  | 575               | .....                     | .....               | .....                      | .....                |
| TOTAL STATE | 3 233 308                    | 9 311                  | 371 511                 | -4 297            | 395 251                   | 4 824               | 1 929 163                  | 39 685               |
|             |                              |                        |                         |                   |                           |                     | ( 859 567                  | 16 431)              |
|             |                              |                        |                         |                   |                           |                     | (1 069 596                 | 23 254)*             |

\*Less than .5 psi overpressure

S T A T E O F K E N T U C K Y - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 3,730,146  
Land Area: 39,639 square miles

| COUNTY       | VERY HIGH RISK<br>GT 10 PSI |       | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |       | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |       | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |       |
|--------------|-----------------------------|-------|----------------------------------|-------|-----------------------------------|-------|-------------------------------------|-------|
|              | POPULATION                  | AREA  | POPULATION                       | AREA  | POPULATION                        | AREA  | POPULATION                          | AREA  |
| Adair        | .....                       | ..... | .....                            | ..... | .....                             | ..... | 15 857                              | 407*  |
| Allen        | .....                       | ..... | .....                            | ..... | .....                             | ..... | 14 370                              | 338*  |
| Anderson     | .....                       | ..... | .....                            | ..... | .....                             | ..... | 13 522                              | 204   |
| Ballard      | .....                       | ..... | 8 186                            | 254   | .....                             | ..... | 34 692                              | 482*  |
| Barren       | .....                       | ..... | .....                            | ..... | .....                             | ..... | .....                               | ..... |
| Bath         | .....                       | ..... | .....                            | ..... | .....                             | ..... | 10 263                              | 278*  |
| Bell         | .....                       | ..... | .....                            | ..... | .....                             | ..... | 34 201                              | 361*  |
| Boone        | .....                       | ..... | .....                            | ..... | 51 553                            | 246   | 19 147                              | 292   |
| Bourbon      | .....                       | ..... | .....                            | ..... | .....                             | ..... | .....                               | ..... |
| Boyd         | 54 575                      | 161   | .....                            | ..... | .....                             | ..... | .....                               | ..... |
| Boyle        | .....                       | ..... | .....                            | ..... | .....                             | ..... | 25 106                              | 182*  |
| Bracken      | .....                       | ..... | .....                            | ..... | .....                             | ..... | 7 555                               | 203*  |
| Breathitt    | .....                       | ..... | .....                            | ..... | .....                             | ..... | 16 453                              | 495*  |
| Breckinridge | .....                       | ..... | .....                            | ..... | .....                             | ..... | 16 566                              | 565   |
| Bullitt      | .....                       | ..... | .....                            | ..... | 45 100                            | 300   | .....                               | ..... |
| Butler       | .....                       | ..... | 11 958                           | 431   | .....                             | ..... | 13 265                              | 347*  |
| Caldwell     | .....                       | ..... | .....                            | ..... | .....                             | ..... | 30 551                              | 386*  |
| Calloway     | .....                       | ..... | .....                            | ..... | .....                             | ..... | .....                               | ..... |
| Campbell     | .....                       | ..... | 80 896                           | 152   | .....                             | ..... | 5 262                               | 191   |
| Carlisle     | .....                       | ..... | .....                            | ..... | .....                             | ..... | .....                               | ..... |
| Carroll      | 9 850                       | 130   | .....                            | ..... | .....                             | ..... | 25 814                              | 407   |
| Carter       | .....                       | ..... | .....                            | ..... | .....                             | ..... | 15 293                              | 445   |
| Casey        | .....                       | ..... | .....                            | ..... | .....                             | ..... | .....                               | ..... |
| Christian    | 64 360                      | 722   | .....                            | ..... | .....                             | ..... | 29 442                              | 255*  |
| Clark        | .....                       | ..... | .....                            | ..... | .....                             | ..... | .....                               | ..... |

\*Less than .5 psi overpressure

STATE OF KENTUCKY (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA  | LOW/NO* RISK<br>POPULATION | RISK<br>AREA |
|------------|------------------------------|-------|-------------------------|-------|---------------------------|-------|----------------------------|--------------|
| Clay       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 23 867                     | 471*         |
| Clinton    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 9 984                      | 196*         |
| Crittenden | .....                        | ..... | .....                   | ..... | .....                     | ..... | 8 896                      | 360*         |
| Cumberland | .....                        | ..... | .....                   | ..... | .....                     | ..... | 7 334                      | 304*         |
| Daviess    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 88 834                     | 463*         |
| Edmonson   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 11 567                     | 302*         |
| Elliott    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 6 923                      | 234*         |
| Estill     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 15 107                     | 256          |
| Fayette    | 211 628                      | 285   | .....                   | ..... | .....                     | ..... | .....                      | .....        |
| Fleming    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 12 524                     | 351          |
| Floyd      | 51 295                       | 393   | .....                   | ..... | .....                     | ..... | .....                      | .....        |
| Franklin   | 44 192                       | 212   | .....                   | ..... | .....                     | ..... | .....                      | .....        |
| Fulton     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 8 234                      | 211*         |
| Gallatin   | .....                        | ..... | 4 962                   | 99    | .....                     | ..... | .....                      | .....        |
| Garrard    | .....                        | ..... | .....                   | ..... | 11 397                    | 232   | .....                      | .....        |
| Grant      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 14 477                     | 259*         |
| Graves     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 37 712                     | 557          |
| Grayson    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 22 631                     | 493*         |
| Green      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 10 950                     | 289*         |
| Greenup    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 38 515                     | 347          |
| Hancock    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 8 242                      | 189*         |
| Hardin     | 90 545                       | 629   | .....                   | ..... | .....                     | ..... | .....                      | .....        |
| Harlan     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 42 139                     | 468*         |
| Harrison   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 15 678                     | 310          |
| Hart       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 17 009                     | 412*         |
| Henderson  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 42 474                     | 438          |
| Henry      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 13 467                     | 291          |
| Hickman    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 5 618                      | 245*         |
| Hopkins    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 46 424                     | 552*         |
| Jackson    | .....                        | ..... | .....                   | ..... | 12 586                    | 346   | .....                      | .....        |

\*Less than .5 psi overpressure



STATE OF KENTUCKY (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Jefferson  | 682 179                      | 386                    |                         |                   |                           |                     | 28 497                     | 175                  |
| Jessamine  |                              |                        |                         |                   |                           |                     | 25 895                     | 264                  |
| Johnson    |                              |                        |                         |                   |                           |                     |                            |                      |
| Kenton     |                              |                        |                         |                   | 136 391                   | 163                 |                            |                      |
| Knott      |                              |                        |                         |                   |                           |                     | 18 395                     | 352                  |
| Knox       |                              |                        |                         |                   |                           |                     | 30 205                     | 358*                 |
| Larue      |                              |                        |                         |                   |                           |                     | 12 018                     | 263*                 |
| Laurel     |                              |                        |                         |                   |                           |                     | 42 251                     | 434*                 |
| Lawrence   |                              |                        |                         |                   |                           |                     | 15 007                     | 420                  |
| Lee        |                              |                        |                         |                   |                           |                     | 7 781                      | 211*                 |
| Leslie     |                              |                        |                         |                   |                           |                     | 15 407                     | 402*                 |
| Letcher    |                              |                        |                         |                   |                           |                     | 30 977                     | 339*                 |
| Lewis      | 14 458                       | 484                    |                         |                   |                           |                     |                            |                      |
| Lincoln    |                              |                        |                         |                   |                           |                     | 19 180                     | 332                  |
| Livingston |                              |                        |                         |                   |                           |                     | 9 131                      | 312*                 |
| Logan      |                              |                        |                         |                   |                           |                     | 26 045                     | 556                  |
| Lyon       |                              |                        |                         |                   |                           |                     | 6 425                      | 209*                 |
| McCracken  | 61 367                       | 251                    |                         |                   |                           |                     |                            |                      |
| McCreary   |                              |                        |                         |                   |                           |                     | 16 306                     | 427                  |
| McLean     |                              |                        |                         |                   |                           |                     | 9 948                      | 256                  |
| Madison    | 55 644                       | 443                    |                         |                   |                           |                     |                            |                      |
| Magoffin   |                              |                        |                         |                   |                           |                     | 14 251                     | 310                  |
| Marion     |                              |                        |                         |                   |                           |                     | 17 699                     | 347*                 |
| Marshall   |                              |                        |                         |                   |                           |                     | 25 976                     | 304*                 |
| Martin     |                              |                        |                         |                   |                           |                     | 1 063                      | 231                  |
| Mason      |                              |                        |                         |                   |                           |                     | 17 091                     | 241                  |
| Meade      | 22 789                       | 307                    |                         |                   |                           |                     |                            |                      |
| Menifee    |                              |                        |                         |                   |                           |                     | 5 353                      | 203*                 |
| Mercer     |                              |                        |                         |                   |                           |                     | 19 405                     | 250*                 |
| Metcalfe   |                              |                        |                         |                   |                           |                     | 10 359                     | 291*                 |

\*Less than .5 psi overpressure

STATE OF KENTUCKY (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Monroe     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 12 618                     | 331*                 |
| Montgomery | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 20 410                     | 199*                 |
| Morgan     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 12 122                     | 382*                 |
| Muhlenberg | 31 696                       | 478                    | .....                   | .....             | .....                     | .....               | 28 923                     | 424*                 |
| Nelson     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 7 330                      | 197*                 |
| Nicholas   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 30 519                     | 190                  |
| Ohio       | 21 875                       | 596                    | .....                   | .....             | .....                     | .....               | 9 217                      | 354                  |
| Oldham     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 641                      | 198*                 |
| Owen       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 767                     | 281*                 |
| Owsley     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 35 419                     | 341*                 |
| Pendleton  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 907                     | 180                  |
| Perry      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 2 383                      | 100*                 |
| Pike       | 83 875                       | 785                    | .....                   | .....             | .....                     | .....               | 19 043                     | 282*                 |
| Powell     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 15 141                     | 250                  |
| Pulaski    | 49 129                       | 660                    | .....                   | .....             | .....                     | .....               | 24 243                     | 385                  |
| Robertson  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 14 936                     | 236*                 |
| Rockcastle | .....                        | .....                  | .....                   | .....             | 14 664                    | 318                 | 6 148                      | 192*                 |
| Rowan      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 22 162                     | 270*                 |
| Russell    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 649                     | 377                  |
| Scott      | .....                        | .....                  | .....                   | .....             | 21 971                    | 286                 | 9 386                      | 421                  |
| Shelby     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 17 807                     | 341*                 |
| Simpson    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 82 907                     | 547*                 |
| Spencer    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 291                     | 301                  |
| Taylor     | .....                        | .....                  | .....                   | .....             | .....                     | .....               |                            |                      |
| Todd       | .....                        | .....                  | .....                   | .....             | .....                     | .....               |                            |                      |
| Trigg      | .....                        | .....                  | .....                   | .....             | .....                     | .....               |                            |                      |
| Trimble    | 6 321                        | 148                    | .....                   | .....             | .....                     | .....               |                            |                      |
| Union      | .....                        | .....                  | .....                   | .....             | .....                     | .....               |                            |                      |
| Warren     | .....                        | .....                  | .....                   | .....             | .....                     | .....               |                            |                      |
| Washington | .....                        | .....                  | .....                   | .....             | .....                     | .....               |                            |                      |

\*Less than .5 psi overpressure

STATE OF KENTUCKY (Continued)

| COUNTY      | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |          |
|-------------|----------------|-------|------------|-------|-------------|-------|--------------|----------|
|             | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA     |
| Wayne       | .....          | ..... | .....      | ..... | .....       | ..... | 17 759       | 446      |
| Webster     | .....          | ..... | .....      | ..... | .....       | ..... | 14 730       | 336*     |
| Whitley     | .....          | ..... | .....      | ..... | .....       | ..... | 35 619       | 443*     |
| Wolfe       | .....          | ..... | .....      | ..... | .....       | ..... | 7 152        | 223*     |
| Woodford    | .....          | ..... | .....      | ..... | 18 845      | 192   |              |          |
| TOTAL STATE | 1 555 778      | 7 070 | 1 06 002   | 936   | 312 507     | 2 083 | 1 755 859    | 29 550   |
|             |                |       |            |       |             |       | ( 601 871    | 11 122)  |
|             |                |       |            |       |             |       | (1 153 988   | 18 428)* |

\*Less than .5 psi overpressure

S T A T E O F M I S S I S S I P P I - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 2,617,133  
Land Area: 47,174 square miles

| COUNTY    | VERY HIGH RISK          |      | HIGH RISK                         |      | MEDIUM RISK                      |        | LOW/NO* RISK                      |      |
|-----------|-------------------------|------|-----------------------------------|------|----------------------------------|--------|-----------------------------------|------|
|           | GT 10 PSI<br>POPULATION | AREA | EQ/GT 5PSI LT 10PSI<br>POPULATION | AREA | EQ/GT 2PSI LT 5PSI<br>POPULATION | AREA   | EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA |
| Adams     |                         |      |                                   |      |                                  |        | 39 119                            | 456* |
| Alcorn    |                         |      |                                   |      |                                  |        | 32 183                            | 401* |
| Amite     |                         |      |                                   |      |                                  |        | 13 288                            | 732* |
| Attala    |                         |      |                                   |      |                                  |        | 18 901                            | 737* |
| Benton    |                         |      |                                   |      |                                  |        | 8 126                             | 407* |
| Bolivar   |                         |      |                                   |      |                                  |        | 45 246                            | 892* |
| Calhoun   |                         |      |                                   |      |                                  |        | 15 196                            | 573* |
| Carroll   |                         |      |                                   |      |                                  |        | 9 173                             | 634* |
| Chickasaw |                         |      |                                   |      |                                  |        | 17 923                            | 503* |
| Choctaw   |                         |      |                                   |      |                                  |        | 8 542                             | 420* |
| Claiborne |                         |      |                                   |      |                                  |        | 12 621                            | 494* |
| Clarke    |                         |      |                                   |      |                                  |        | 16 823                            | 692  |
| Clay      |                         |      | 22 053                            | 415  |                                  |        | 35 424                            | 559* |
| Coahoma   |                         |      |                                   |      |                                  |        | 25 744                            | 779* |
| Copiah    |                         |      |                                   |      |                                  |        |                                   |      |
| Covington |                         |      |                                   |      |                                  |        | 15 888                            | 416* |
| De Soto   |                         |      |                                   |      | 58 091                           | 483    |                                   |      |
| Forrest   | 70 812                  | 469  |                                   |      |                                  |        | 8 373                             | 566* |
| Franklin  |                         |      |                                   |      |                                  | 16 044 |                                   |      |
| George    |                         |      |                                   |      |                                  |        |                                   |      |
| Greene    |                         |      |                                   |      | 9 382                            | 718    |                                   |      |
| Grenada   |                         |      |                                   |      |                                  |        | 21 543                            | 421* |
| Hancock   | 29 671                  | 478  |                                   |      |                                  |        |                                   |      |
| Harrison  | 171 484                 | 581  |                                   |      |                                  |        |                                   |      |
| Hinds     | 261 467                 | 875  |                                   |      |                                  |        |                                   |      |

\*Less than .5 psi overpressure

STATE OF MISSISSIPPI (Continued)

| COUNTY          | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |       |
|-----------------|----------------|-------|------------|-------|-------------|-------|--------------|-------|
|                 | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA  |
| Holmes          | .....          | ..... | .....      | ..... | .....       | ..... | 23 784       | 759   |
| Humphreys       | .....          | ..... | .....      | ..... | .....       | ..... | 13 934       | 430   |
| Issaquena       | .....          | ..... | .....      | ..... | .....       | ..... | 2 147        | 406*  |
| Itawamba        | .....          | ..... | .....      | ..... | .....       | ..... | 20 299       | 541*  |
| Jackson         | 124 917        | 731   | .....      | ..... | .....       | ..... | .....        | ..... |
| Jasper          | .....          | ..... | 17 173     | 678   | .....       | ..... | 9 793        | 523*  |
| Jefferson       | .....          | ..... | .....      | ..... | .....       | ..... | 14 104       | 409*  |
| Jefferson Davis | .....          | ..... | .....      | ..... | .....       | ..... | .....        | ..... |
| Jones           | 64 507         | 695   | .....      | ..... | .....       | ..... | 10 373       | 766   |
| Kemper          | .....          | ..... | .....      | ..... | .....       | ..... | .....        | ..... |
| LaFayette       | .....          | ..... | .....      | ..... | .....       | ..... | 32 522       | 609*  |
| Lamar           | 26 768         | 499   | .....      | ..... | .....       | ..... | .....        | ..... |
| Lauderdale      | 80 005         | 705   | .....      | ..... | .....       | ..... | 13 144       | 435*  |
| Lawrence        | .....          | ..... | .....      | ..... | .....       | ..... | 18 683       | 584*  |
| Leake           | .....          | ..... | .....      | ..... | .....       | ..... | .....        | ..... |
| Lee             | .....          | ..... | .....      | ..... | .....       | ..... | 61 285       | 451*  |
| Leflore         | .....          | ..... | .....      | ..... | .....       | ..... | 42 369       | 605*  |
| Lincoln         | .....          | ..... | .....      | ..... | .....       | ..... | 31 099       | 586*  |
| Lowndes         | 61 314         | 517   | .....      | ..... | .....       | ..... | .....        | ..... |
| Madison         | .....          | ..... | .....      | ..... | 45 724      | 717   | .....        | ..... |
| Marion          | .....          | ..... | .....      | ..... | .....       | ..... | 27 571       | 548   |
| Marshall        | .....          | ..... | .....      | ..... | .....       | ..... | 32 405       | 709   |
| Monroe          | 36 628         | 772   | .....      | ..... | .....       | ..... | 12 660       | 408*  |
| Montgomery      | .....          | ..... | .....      | ..... | .....       | ..... | 24 674       | 571   |
| Neshoba         | .....          | ..... | .....      | ..... | .....       | ..... | .....        | ..... |
| Newton          | .....          | ..... | .....      | ..... | .....       | ..... | 20 288       | 580   |
| Noxubee         | .....          | ..... | .....      | ..... | .....       | ..... | 12 537       | 698*  |
| Oktibbeha       | .....          | ..... | .....      | ..... | .....       | ..... | 38 129       | 459   |
| Panola          | .....          | ..... | .....      | ..... | .....       | ..... | 29 785       | 695*  |
| Pearl River     | .....          | ..... | .....      | ..... | .....       | ..... | 38 167       | 819   |

\*less than .5 psi overpressure

STATE OF MISSISSIPPI (Continued)

| COUNTY       | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|--------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Perry        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 646                     | 651*                 |
| Pike         | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 36 699                     | 410*                 |
| Pontotoc     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 21 744                     | 499*                 |
| Prentiss     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 24 682                     | 417*                 |
| Quitman      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 334                     | 406*                 |
| Rankin       | 80 192                       | 782                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Scott        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 25 256                     | 610*                 |
| Sharkey      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 8 076                      | 435                  |
| Simpson      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 24 762                     | 591*                 |
| Smith        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 14 554                     | 635                  |
| Stone        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 110                     | 446*                 |
| Sunflower    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 37 634                     | 707*                 |
| Tallahatchie | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 16 124                     | 651*                 |
| Tate         | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 21 311                     | 406*                 |
| Tippah       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 18 985                     | 458*                 |
| Tishomingo   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 17 338                     | 434*                 |
| Tunica       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 9 299                      | 460                  |
| Union        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 21 595                     | 417*                 |
| Walthall     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 12 870                     | 404*                 |
| Warren       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 51 872                     | 597*                 |
| Washington   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 72 533                     | 733*                 |
| Wayne        | .....                        | .....                  | .....                   | 813               | 20 152                    | .....               | 10 196                     | 424*                 |
| Webster      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 484                     | 678*                 |
| Wilkinson    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 18 567                     | 610*                 |
| Winston      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Yalobusha    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 13 387                     | 478*                 |
| Yazoo        | 26 826                       | 933                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |

|             |           |       |                                |       |         |       |            |          |
|-------------|-----------|-------|--------------------------------|-------|---------|-------|------------|----------|
| TOTAL STATE | 1 034 591 | 8 037 | 39 226                         | 1 093 | 149 393 | 3 214 | 1 393 923  | 34 830   |
|             |           |       | *Less than .5 psi overpressure |       |         |       | ( 278 077  | 7 863    |
|             |           |       |                                |       |         |       | (1 115 846 | 26 967)* |

S T A T E O F N O R T H C A R O L I N A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 6,233,774  
Land Area: 48,843 square miles

| COUNTY    | VERY HIGH RISK<br>GT 10 PSI |      | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |      | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |      | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |      |
|-----------|-----------------------------|------|----------------------------------|------|-----------------------------------|------|-------------------------------------|------|
|           | POPULATION                  | AREA | POPULATION                       | AREA | POPULATION                        | AREA | POPULATION                          | AREA |
| Alamance  | 102 865                     | 433  |                                  |      |                                   |      | 26 671                              | 259* |
| Alexander |                             |      |                                  |      |                                   |      | 9 941                               | 234* |
| Alleghany |                             |      |                                  |      |                                   |      | 26 266                              | 533* |
| Anson     |                             |      |                                  |      |                                   |      | 23 263                              | 426* |
| Ashe      |                             |      |                                  |      |                                   |      |                                     |      |
| Avery     |                             |      |                                  |      |                                   |      | 15 040                              | 247* |
| Beaufort  |                             |      |                                  |      |                                   |      | 43 217                              | 826* |
| Bertie    |                             |      |                                  |      |                                   |      | 21 491                              | 701* |
| Bladen    |                             |      |                                  |      | 30 794                            | 879  |                                     |      |
| Brunswick | 45 643                      | 861  |                                  |      |                                   |      |                                     |      |
| Buncombe  |                             |      |                                  |      |                                   |      | 166 717                             | 659* |
| Burke     |                             |      |                                  |      |                                   |      | 75 193                              | 505* |
| Cabarrus  |                             |      |                                  |      |                                   |      | 93 522                              | 364  |
| Caldwell  |                             |      |                                  |      |                                   |      | 68 745                              | 471* |
| Camden    |                             |      |                                  |      |                                   |      | 5 866                               | 241* |
| Carteret  | 48 181                      | 525  |                                  |      |                                   |      |                                     |      |
| Caswell   |                             |      |                                  |      | 22 441                            | 427  |                                     |      |
| Catawba   | 112 583                     | 396  |                                  |      |                                   |      |                                     |      |
| Chatham   |                             |      |                                  |      |                                   |      | 35 680                              | 708* |
| Cherokee  |                             |      |                                  |      | 20 231                            | 452  |                                     |      |
| Chowan    |                             |      |                                  |      |                                   |      | 12 995                              | 181* |
| Clay      |                             |      |                                  |      |                                   |      | 7 093                               | 214* |
| Cleveland |                             |      |                                  |      |                                   |      | 84 762                              | 468* |
| Columbus  |                             |      |                                  |      |                                   |      | 51 937                              | 939* |
| Craven    |                             |      |                                  |      |                                   |      | 77 821                              | 702  |

\*Less than .5 psi overpressure

STATE OF NORTH CAROLINA (Continued)

| COUNTY     | VERY HIGH RISK |      | HIGH RISK  |      | MEDIUM RISK |      | LOW/NO* RISK |      |
|------------|----------------|------|------------|------|-------------|------|--------------|------|
|            | POPULATION     | AREA | POPULATION | AREA | POPULATION  | AREA | POPULATION   | AREA |
| Cumberland | 252 353        | 657  |            |      |             |      | 13 318       | 256  |
| Currituck  |                |      |            |      |             |      | 17 107       | 391* |
| Dare       |                |      |            |      |             |      |              |      |
| Davidson   |                |      |            |      | 118 693     | 548  |              |      |
| Davie      |                |      |            |      |             |      | 27 416       | 267  |
| Duplin     |                |      |            |      |             |      | 41 650       | 819  |
| Durham     |                |      |            |      |             |      | 160 837      | 298  |
| Edgecombe  |                |      |            |      |             |      | 58 790       | 506* |
| Forsyth    | 258 622        | 412  |            |      |             |      |              |      |
| Franklin   |                |      |            |      |             |      | 32 305       | 494* |
| Gaston     |                |      |            |      | 170 614     | 357  |              |      |
| Gates      |                |      |            |      |             |      | 9 357        | 338* |
| Graham     |                |      |            |      |             |      | 7 104        | 289* |
| Granville  |                |      |            |      |             |      | 36 884       | 534* |
| Greene     |                |      |            |      |             |      | 16 464       | 266  |
| Guilford   |                |      |            |      | 327 323     | 651  |              |      |
| Halifax    |                |      |            |      |             |      | 56 258       | 724* |
| Harnett    |                |      |            |      | 62 366      | 601  |              |      |
| Haywood    |                |      |            |      |             |      | 47 835       | 555* |
| Henderson  |                |      |            |      |             |      | 66 501       | 375* |
| Hertford   |                |      |            |      |             |      | 24 076       | 356* |
| Hoke       |                |      |            |      | 22 566      | 391  |              |      |
| Hyde       |                |      |            |      |             |      | 5 925        | 624* |
| Iredell    | 87 260         | 574  |            |      |             |      |              |      |
| Jackson    |                |      |            |      |             |      | 27 318       | 490* |
| Johnston   |                |      |            |      |             |      | 76 426       | 795  |
| Jones      |                |      |            |      |             |      | 9 806        | 470  |
| Lee        |                |      |            |      |             |      | 40 039       | 259  |
| Lenoir     |                |      |            |      |             |      | 61 276       | 402  |
| Lincoln    | 45 086         | 298  |            |      |             |      |              |      |

\*Less than .5 psi overpressure



STATE OF NORTH CAROLINA (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|-------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| McDowell    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 36 454                     | 437*                 |
| Macon       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 23 466                     | 517*                 |
| Madison     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 17 250                     | 451*                 |
| Martin      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 27 437                     | 461*                 |
| Mecklenburg | 439 986                      | 528                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Mitchell    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 14 258                     | 222*                 |
| Montgomery  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 23 665                     | 490                  |
| Moore       | 55 254                       | 701                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Nash        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 70 931                     | 540*                 |
| New Hanover | 112 147                      | 185                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Northampton | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 22 485                     | 538*                 |
| Onslow      | 120 039                      | 763                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Orange      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 81 875                     | 400*                 |
| Pamlico     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 925                     | 341*                 |
| Pasquotank  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 29 502                     | 228*                 |
| Pender      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 24 268                     | 875                  |
| Perquimans  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 9 913                      | 246*                 |
| Person      | 30 316                       | 398                    | .....                   | .....             | .....                     | .....               | 96 024                     | 656*                 |
| Pitt        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 14 758                     | 238*                 |
| Polk        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Randolph    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 97 642                     | 789                  |
| Richmond    | 45 644                       | 477                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Robeson     | 106 472                      | 949                    | .....                   | .....             | .....                     | .....               | 85 801                     | 569                  |
| Rockingham  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 102 667                    | 519*                 |
| Rowan       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Rutherford  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 56 501                     | 568*                 |
| Sampson     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 50 707                     | 947                  |
| Scotland    | .....                        | .....                  | .....                   | .....             | 34 149                    | 319                 | .....                      | .....                |
| Stanly      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 50 203                     | 396*                 |
| Stokes      | 35 319                       | 452                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |

\*Less than .5 psi overpressure

STATE OF NORTH CAROLINA (Continued)

| COUNTY       | VERY HIGH RISK |        | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |          |
|--------------|----------------|--------|------------|-------|-------------|-------|--------------|----------|
|              | POPULATION     | AREA   | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA     |
| Surry        | .....          | .....  | .....      | ..... | .....       | ..... | 60 500       | 539      |
| Swain        | .....          | .....  | .....      | ..... | .....       | ..... | 10 818       | 526*     |
| Transylvania | .....          | .....  | .....      | ..... | .....       | ..... | 25 249       | 378*     |
| Tyrrell      | .....          | .....  | .....      | ..... | .....       | ..... | 4 130        | 407*     |
| Union        | .....          | .....  | .....      | ..... | .....       | ..... | 77 802       | 639      |
| Vance        | .....          | .....  | .....      | ..... | .....       | ..... | 38 320       | 249*     |
| Wake         | 346 147        | 854    | .....      | ..... | .....       | ..... | 16 236       | 427*     |
| Warren       | .....          | .....  | .....      | ..... | .....       | ..... | 14 473       | 332*     |
| Washington   | .....          | .....  | .....      | ..... | .....       | ..... | 34 273       | 314*     |
| Watauga      | .....          | .....  | .....      | ..... | .....       | ..... | .....        | .....    |
| Wayne        | 98 361         | 554    | .....      | ..... | .....       | ..... | 60 948       | 752*     |
| Wilkes       | .....          | .....  | .....      | ..... | .....       | ..... | 64 997       | 374      |
| Wilson       | .....          | .....  | .....      | ..... | .....       | ..... | 29 498       | 336      |
| Yadkin       | .....          | .....  | .....      | ..... | .....       | ..... | 15 431       | 314*     |
| Yancey       | .....          | .....  | .....      | ..... | .....       | ..... | .....        | .....    |
| TOTAL STATE  | 2 342 278      | 10 017 | ---        | ---   | 809 177     | 4 625 | 3 082 319    | 34 201   |
|              |                |        |            |       |             |       | (1 133 455   | 10 002)  |
|              |                |        |            |       |             |       | (1 948 864   | 24 001)* |

\*Less than .5 psi overpressure

S T A T E O F S O U T H C A R O L I N A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 3,343,422  
Land Area: 30,207 square miles

| COUNTY       | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |       |
|--------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|-------|
|              | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA  |
| Abbeville    | .....          | ..... | .....               | .....      | .....              | .....      | 22 919              | 508*  |
| Aiken        | 113 409        | 1 092 | .....               | .....      | .....              | .....      | .....               | ..... |
| Allendale    | .....          | ..... | 10 904              | 413        | .....              | .....      | .....               | ..... |
| Anderson     | .....          | ..... | .....               | .....      | .....              | .....      | 139 797             | 718   |
| Bamberg      | .....          | ..... | .....               | .....      | .....              | .....      | 18 097              | 395*  |
| Barnwell     | .....          | ..... | 20 308              | 558        | .....              | .....      | .....               | ..... |
| Beaufort     | 81 853         | 579   | .....               | .....      | .....              | .....      | .....               | ..... |
| Berkeley     | 117 319        | 1 108 | .....               | .....      | .....              | .....      | .....               | ..... |
| Calhoun      | .....          | ..... | 11 431              | 380        | .....              | .....      | .....               | ..... |
| Charleston   | 291 814        | 938   | .....               | .....      | .....              | .....      | .....               | ..... |
| Cherokee     | .....          | ..... | .....               | .....      | .....              | .....      | 41 186              | 396   |
| Chester      | .....          | ..... | .....               | .....      | .....              | .....      | 30 992              | 580*  |
| Chesterfield | .....          | ..... | .....               | .....      | .....              | .....      | 38 454              | 802*  |
| Clarendon    | .....          | ..... | .....               | .....      | .....              | .....      | 28 112              | 602   |
| Colleton     | .....          | ..... | .....               | .....      | .....              | .....      | 33 866              | 1 052 |
| Darlington   | .....          | ..... | .....               | .....      | .....              | .....      | 64 933              | 563*  |
| Dillon       | .....          | ..... | .....               | .....      | .....              | .....      | 32 316              | 406*  |
| Dorchester   | .....          | ..... | .....               | .....      | .....              | .....      | 73 846              | 575   |
| Edgefield    | .....          | ..... | .....               | .....      | 17 809             | 490        | .....               | ..... |
| Fairfield    | .....          | ..... | .....               | .....      | .....              | .....      | 20 805              | 685   |
| Florence     | .....          | ..... | .....               | .....      | .....              | .....      | 114 936             | 804*  |
| Georgetown   | 47 533         | 822   | .....               | .....      | .....              | .....      | .....               | ..... |
| Greenville   | .....          | ..... | .....               | .....      | .....              | .....      | 303 866             | 795   |
| Greenwood    | .....          | ..... | .....               | .....      | .....              | .....      | 60 352              | 451*  |
| Hampton      | .....          | ..... | .....               | .....      | .....              | .....      | 18 899              | 561   |

\*less than .5 psi overpressure

STATE OF SOUTH CAROLINA (Continued)

| COUNTY       | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA | MEDIUM RISK<br>POPULATION | AREA | LOW/NO* RISK<br>POPULATION | RISK<br>AREA |
|--------------|------------------------------|-------|-------------------------|------|---------------------------|------|----------------------------|--------------|
| Horry        | 126 279                      | 1 143 |                         |      |                           |      |                            |              |
| Jasper       |                              |       |                         |      | 14 369                    | 655  | 42 124                     | 723          |
| Kershaw      |                              |       |                         |      |                           |      | 55 843                     | 552*         |
| Lancaster    |                              |       |                         |      |                           |      | 53 481                     | 712*         |
| Laurens      |                              |       |                         |      |                           |      |                            |              |
| Lee          |                              |       |                         |      |                           |      | 18 510                     | 411          |
| Lexington    |                              |       | 156 949                 | 707  |                           |      | 7 183                      | 350          |
| McCormick    |                              |       |                         |      |                           |      | 34 924                     | 493*         |
| Marion       |                              |       |                         |      |                           |      | 32 459                     | 483*         |
| Marlboro     |                              |       |                         |      |                           |      |                            |              |
| Newberry     |                              |       |                         |      |                           |      | 32 044                     | 634*         |
| Oconee       | 51 780                       | 629   |                         |      |                           |      | 86 706                     | 1 112        |
| Orangeburg   |                              |       |                         |      |                           |      |                            |              |
| Pickens      | 85 403                       | 499   |                         |      |                           |      |                            |              |
| Richland     | 282 019                      | 762   |                         |      |                           |      |                            |              |
| Saluda       |                              |       |                         |      |                           |      | 17 017                     | 456*         |
| Spartanburg  | 209 163                      | 814   |                         |      |                           |      |                            |              |
| Sumter       | 94 839                       | 665   |                         |      |                           |      | 30 826                     | 515          |
| Union        |                              |       |                         |      |                           |      | 39 284                     | 934*         |
| Williamsburg |                              |       |                         |      |                           |      |                            |              |
| York         |                              |       |                         |      |                           |      | 116 464                    | 685          |

|             |           |       |                                |       |        |       |            |         |
|-------------|-----------|-------|--------------------------------|-------|--------|-------|------------|---------|
| TOTAL STATE | 1 384 092 | 8 113 | 199 592                        | 2 058 | 32 178 | 1 145 | 1 727 560  | 18 891) |
|             |           |       | *Less than .5 psi overpressure |       |        |       | (1 079 509 | 10 118) |
|             |           |       |                                |       |        |       | ( 648 051  | 8 773)* |

S T A T E O F T E N N E S S E E - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 4,746,516  
Land Area: 40,930 square miles

| COUNTY     | VERY HIGH RISK          |      | HIGH RISK                         |      | MEDIUM RISK                      |      | LOW/NO* RISK                      |      |
|------------|-------------------------|------|-----------------------------------|------|----------------------------------|------|-----------------------------------|------|
|            | GT 10 PSI<br>POPULATION | AREA | EQ/GT 5PSI LT 10PSI<br>POPULATION | AREA | EQ/GT 2PSI LT 5PSI<br>POPULATION | AREA | EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA |
| Anderson   | 69 607                  | 339  |                                   |      |                                  |      |                                   |      |
| Bedford    |                         |      |                                   |      | 28 701                           | 475  | 15 088                            | 392* |
| Benton     |                         |      |                                   |      |                                  |      | 9 278                             | 407* |
| Bledsoe    |                         |      |                                   |      |                                  |      | 81 926                            | 558  |
| Blount     |                         |      |                                   |      |                                  |      |                                   |      |
| Bradley    | 70 601                  | 327  |                                   |      |                                  |      | 35 490                            | 479* |
| Cámpbell   |                         |      |                                   |      |                                  |      | 10 725                            | 266* |
| Cannon     |                         |      |                                   |      |                                  |      |                                   |      |
| Carroll    |                         |      | 28 302                            | 600  |                                  |      | 51 658                            | 341* |
| Carter     |                         |      |                                   |      |                                  |      |                                   |      |
| Cheatham   |                         |      |                                   |      |                                  |      | 23 557                            | 303  |
| Chester    |                         |      |                                   |      |                                  |      | 12 837                            | 289* |
| Claiborne  |                         |      |                                   |      |                                  |      | 26 644                            | 432* |
| Clay       |                         |      |                                   |      |                                  |      | 8 061                             | 227* |
| Cocke      |                         |      |                                   |      |                                  |      | 29 318                            | 432* |
| Coffee     | 40 569                  | 429  |                                   |      |                                  |      |                                   |      |
| Crockett   |                         |      |                                   |      |                                  |      | 13 895                            | 266  |
| Cumberland |                         |      |                                   |      |                                  |      | 31 190                            | 682  |
| Davidson   | 487 241                 | 501  |                                   |      |                                  |      |                                   |      |
| Decatur    |                         |      |                                   |      |                                  |      | 10 958                            | 330* |
| DeKalb     |                         |      |                                   |      |                                  |      | 13 881                            | 291* |
| Dickson    |                         |      |                                   |      |                                  |      | 31 624                            | 491  |
| Dyer       |                         |      |                                   |      |                                  |      | 33 920                            | 520  |
| Fayette    |                         |      |                                   |      |                                  |      | 24 623                            | 705* |
| Fentress   |                         |      |                                   |      |                                  |      | 15 603                            | 498* |

\*Less than .5 psi overpressure

STATE OF TENNESSEE (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | AREA | HIGH RISK<br>POPULATION | AREA | MEDIUM RISK<br>POPULATION | AREA | LOW/NO* RISK<br>POPULATION | AREA |
|------------|------------------------------|------|-------------------------|------|---------------------------|------|----------------------------|------|
| Franklin   | 33 382                       | 543  |                         |      |                           |      | 24 789                     | 610* |
| Gibson     | 48 338                       | 602  |                         |      |                           |      | 17 155                     | 273* |
| Giles      |                              |      |                         |      |                           |      |                            |      |
| Grainger   |                              |      |                         |      |                           |      |                            |      |
| Greene     |                              |      | 56 054                  | 619  |                           |      |                            |      |
| Grund      |                              |      |                         |      |                           |      | 14 085                     | 361* |
| Hamb       |                              |      |                         |      |                           |      | 59 098                     | 156* |
| Hamilt     | 282 988                      | 539  |                         |      |                           |      | 6 751                      | 480  |
| Hancock    |                              |      |                         |      |                           |      | 23 322                     | 670* |
| Hardema    |                              |      |                         |      |                           |      |                            |      |
| Hardin     |                              |      |                         |      |                           |      | 22 314                     | 578* |
| Hawkins    |                              |      | 45 137                  | 486  |                           |      | 20 547                     | 534* |
| Haywood    |                              |      |                         |      |                           |      | 21 854                     | 520  |
| Henderson  |                              |      |                         |      |                           |      | 29 023                     | 560* |
| Henry      |                              |      |                         |      |                           |      |                            |      |
| Hickman    |                              |      |                         |      |                           |      | 15 927                     | 610* |
| Houston    | 7 011                        | 200  |                         |      |                           |      | 15 702                     | 527  |
| Humphreys  |                              |      |                         |      |                           |      | 9 146                      | 308* |
| Jackson    |                              |      |                         |      |                           |      | 35 027                     | 266* |
| Jefferson  |                              |      |                         |      |                           |      |                            |      |
| Johnson    |                              |      |                         |      |                           |      | 14 302                     | 297* |
| Knox       | 331 840                      | 506  |                         |      |                           |      | 8 310                      | 168* |
| Lake       |                              |      |                         |      |                           |      | 24 256                     | 475  |
| Lauderdale |                              |      |                         |      |                           |      | 34 625                     | 617* |
| Lawrence   |                              |      |                         |      |                           |      |                            |      |
| Lewis      |                              |      |                         |      |                           |      | 10 580                     | 282* |
| Lincoln    |                              |      |                         |      |                           |      | 26 229                     | 571  |
| Loudon     |                              |      |                         |      | 30 719                    | 235  |                            |      |
| McMinn     |                              |      | 43 710                  | 429  |                           |      |                            |      |
| McNairy    |                              |      |                         |      |                           |      | 23 337                     | 562* |

\*Less than .5 psi overpressure

STATE OF TENNESSEE (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Macon      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 15 667                     | 307*                 |
| Madison    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 76 858                     | 558                  |
| Marion     | .....                        | .....                  | .....                   | .....             | 24 502                    | 512                 | .....                      | .....                |
| Marshall   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 20 095                     | 376*                 |
| Maury      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 51 863                     | 616*                 |
| Meigs      | .....                        | .....                  | .....                   | .....             | 7 787                     | 189                 | .....                      | .....                |
| Monroe     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 30 048                     | 648                  |
| Montgomery | 88 788                       | 539                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Moore      | .....                        | .....                  | 4 907                   | 129               | .....                     | .....               | .....                      | .....                |
| Morgan     | .....                        | .....                  | .....                   | .....             | 17 290                    | 523                 | .....                      | .....                |
| Obion      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 32 980                     | 550                  |
| Overton    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 18 095                     | 433*                 |
| Perry      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 6 427                      | 412*                 |
| Pickett    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 510                      | 159*                 |
| Polk       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 13 605                     | 437                  |
| Putnam     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 50 464                     | 399*                 |
| Rhea       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 24 819                     | 309                  |
| Roane      | 49 436                       | 357                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Robertson  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 38 717                     | 476                  |
| Rutherford | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 97 308                     | 605                  |
| Scott      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 20 635                     | 528*                 |
| Sequatchie | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 8 618                      | 266                  |
| Sevier     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 47 229                     | 590*                 |
| Shelby     | 796 450                      | 772                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Smith      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 14 564                     | 313*                 |
| Stewart    | 9 154                        | 454                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Sullivan   | 145 705                      | 415                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Sumner     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 92 025                     | 529                  |
| Tipton     | .....                        | .....                  | 35 021                  | 454               | .....                     | .....               | .....                      | .....                |
| Trousdale  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 488                      | 114*                 |

\*Less than .5 psi overpressure

STATE OF TENNESSEE (Continued)

| COUNTY      | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |          |
|-------------|----------------|-------|------------|-------|-------------|-------|--------------|----------|
|             | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA     |
| Unicoi      | .....          | ..... | .....      | ..... | .....       | ..... | 16 911       | 186*     |
| Union       | .....          | ..... | .....      | ..... | .....       | ..... | 12 358       | 218*     |
| Van Buren   | .....          | ..... | .....      | ..... | .....       | ..... | 4 782        | 273*     |
| Warren      | .....          | ..... | .....      | ..... | .....       | ..... | 33 436       | 431*     |
| Washington  | 92 699         | 326   | .....      | ..... | .....       | ..... | .....        | .....    |
| Wayne       | .....          | ..... | .....      | ..... | .....       | ..... | 14 115       | 734*     |
| Weakley     | .....          | ..... | .....      | ..... | .....       | ..... | 33 395       | 581      |
| White       | .....          | ..... | .....      | ..... | .....       | ..... | 19 814       | 373*     |
| Williamson  | .....          | ..... | .....      | ..... | .....       | ..... | 68 284       | 584      |
| Wilson      | .....          | ..... | .....      | ..... | .....       | ..... | 61 352       | 571      |
| TOTAL STATE | 2 549 809      | 6 849 | 213 131    | 2 717 | 108 999     | 1 934 | 1 874 577    | 29 430   |
|             |                |       |            |       |             |       | ( 888 913    | 11 507)  |
|             |                |       |            |       |             |       | ( 985 664    | 17 923)* |

\*Less than .5 psi overpressure



F E M A R E G I O N V - - D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 45,687,087  
 Land Area: 323,545 square miles

| STATE          | VERY HIGH RISK<br>GT 10 PSI |        | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |       | MEDIUM RISK<br>EQ/GT 2PSI LT 5 PSI |        | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |           |
|----------------|-----------------------------|--------|----------------------------------|-------|------------------------------------|--------|-------------------------------------|-----------|
|                | POPULATION                  | AREA   | POPULATION                       | AREA  | POPULATION                         | AREA   | POPULATION                          | AREA      |
| Illinois       | 8 517 316                   | 13 686 | 68 783                           | 682   | 297 785                            | 5 417  | 2 673 372                           | 35 801    |
|                |                             |        |                                  |       |                                    |        | (1 496 597)                         | 15 088)   |
|                |                             |        |                                  |       |                                    |        | (1 176 775)                         | 20 713)*  |
| Indiana        | 1 842 108                   | 7 796  | ---                              | ---   | 759 597                            | 5 842  | 2 897 931                           | 22 325    |
|                |                             |        |                                  |       |                                    |        | (1 092 641)                         | 9 311)    |
|                |                             |        |                                  |       |                                    |        | (1 805 290)                         | 13 014)*  |
| Michigan       | 5 590 565                   | 16 262 | ---                              | ---   | 1 296 474                          | 7 930  | 2 143 739                           | 32 827    |
|                |                             |        |                                  |       |                                    |        | (1 424 142)                         | 13 629)   |
|                |                             |        |                                  |       |                                    |        | ( 719 597)                          | 19 198)*  |
| Minnesota      | 2 079 535                   | 11 751 | 214 648                          | 430   | 73 301                             | 2 332  | 1 813 747                           | 65 034    |
|                |                             |        |                                  |       |                                    |        | ( 158 758)                          | 6 105)    |
|                |                             |        |                                  |       |                                    |        | (1 654 989)                         | 58 929)*  |
| Ohio           | 6 496 446                   | 12 365 | 850 066                          | 4 999 | 1 487 248                          | 6 027  | 1 804 873                           | 17 615    |
|                |                             |        |                                  |       |                                    |        | (1 307 105)                         | 12 099)   |
|                |                             |        |                                  |       |                                    |        | ( 497 768)                          | 5 516)*   |
| Wisconsin      | 1 561 858                   | 4 763  | 120 916                          | 273   | 96 613                             | 457    | 3 000 166                           | 48 931    |
|                |                             |        |                                  |       |                                    |        | ( 821 189)                          | 7 241)    |
|                |                             |        |                                  |       |                                    |        | (2 178 977)                         | 41 690)*  |
| TOTAL REGION V | 26 087 828                  | 66 623 | 1 254 413                        | 6 384 | 4 011 018                          | 28 005 | 14 333 828                          | 222 533   |
|                |                             |        |                                  |       |                                    |        | (6 300 432)                         | 63 473)   |
|                |                             |        |                                  |       |                                    |        | (8 033 396)                         | 159 060)* |

\*Less than .5 psi overpressure

S T A T E O F I L L I N O I S - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 11,557,256  
Land Area: 55,586 square miles

| COUNTY     | VERY HIGH RISK          |       | HIGH RISK                         |        | MEDIUM RISK                      |       | LOW/NO* RISK                      |       |
|------------|-------------------------|-------|-----------------------------------|--------|----------------------------------|-------|-----------------------------------|-------|
|            | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT 10PSI<br>POPULATION | AREA   | EQ/GT 2PSI LT 5PSI<br>POPULATION | AREA  | EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA  |
| Adams      | .....                   | ..... | .....                             | 70 543 | 852                              | ..... | 11 799                            | 236*  |
| Alexander  | .....                   | ..... | .....                             | .....  | .....                            | ..... | 16 041                            | 377*  |
| Bond       | .....                   | ..... | .....                             | .....  | .....                            | ..... | 28 123                            | 282*  |
| Boone      | .....                   | ..... | .....                             | .....  | .....                            | ..... | 5 480                             | 306   |
| Brown      | .....                   | ..... | .....                             | .....  | .....                            | ..... | .....                             | ..... |
| Bureau     | .....                   | ..... | .....                             | .....  | .....                            | ..... | 37 832                            | 869*  |
| Calhoun    | .....                   | ..... | .....                             | 5 833  | 250                              | ..... | .....                             | ..... |
| Carroll    | 17 942                  | 444   | .....                             | .....  | .....                            | ..... | 14 387                            | 374*  |
| Cass       | .....                   | ..... | .....                             | .....  | .....                            | ..... | .....                             | ..... |
| Champaign  | 170 697                 | 998   | .....                             | .....  | .....                            | ..... | .....                             | ..... |
| Christian  | .....                   | ..... | .....                             | .....  | .....                            | ..... | 36 273                            | 710   |
| Clark      | .....                   | ..... | .....                             | .....  | .....                            | ..... | 16 728                            | 505   |
| Clay       | .....                   | ..... | .....                             | .....  | .....                            | ..... | 15 596                            | 469*  |
| Clinton    | .....                   | ..... | .....                             | .....  | .....                            | ..... | 33 632                            | 472*  |
| Coles      | .....                   | ..... | .....                             | .....  | .....                            | ..... | 52 388                            | 509*  |
| Cook       | 5 274 484               | 958   | .....                             | .....  | .....                            | ..... | .....                             | ..... |
| Crawford   | 20 950                  | 446   | .....                             | .....  | .....                            | ..... | 10 918                            | 346*  |
| Cumberland | .....                   | ..... | .....                             | .....  | .....                            | ..... | 73 019                            | 634*  |
| DeKalb     | .....                   | ..... | .....                             | .....  | .....                            | ..... | 17 938                            | 397*  |
| Dewitt     | .....                   | ..... | .....                             | .....  | .....                            | ..... | .....                             | ..... |
| Douglas    | .....                   | ..... | .....                             | .....  | .....                            | ..... | 19 563                            | 417*  |
| Du Page    | 711 968                 | 337   | .....                             | .....  | .....                            | ..... | 21 269                            | 623   |
| Edgar      | .....                   | ..... | .....                             | .....  | .....                            | ..... | 8 235                             | 223   |
| Edwards    | .....                   | ..... | .....                             | .....  | .....                            | ..... | 31 633                            | 478*  |
| Effingham  | .....                   | ..... | .....                             | .....  | .....                            | ..... | .....                             | ..... |

\*Less than .5 psi overpressure

STATE OF ILLINOIS (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA | MEDIUM RISK<br>POPULATION | AREA | LOW/NO* RISK<br>POPULATION | RISK<br>AREA |
|------------|------------------------------|-------|-------------------------|------|---------------------------|------|----------------------------|--------------|
| Fayette    | .....                        |       | .....                   |      | .....                     |      | 22 339                     | 709*         |
| Ford       | .....                        |       | .....                   |      | 14 938                    | 486  | 43 111                     | 414*         |
| Franklin   | .....                        |       | .....                   |      | .....                     |      | 40 582                     | 871          |
| Fulton     | .....                        |       | .....                   |      | .....                     |      | 7 644                      | 325          |
| Gallatin   | .....                        |       | .....                   |      | .....                     |      |                            |              |
| Green      | .....                        |       | .....                   |      | .....                     |      | 15 939                     | 543*         |
| Grundy     | 31 503                       | 423   | .....                   |      | .....                     |      | 9 224                      | 436*         |
| Hamilton   | .....                        |       | .....                   |      | .....                     |      |                            |              |
| Hancock    | 23 650                       | 795   | .....                   |      | .....                     |      | 5 474                      | 181*         |
| Hardin     | .....                        |       | .....                   |      | .....                     |      |                            |              |
| Henderson  | 9 159                        | 373   | .....                   |      | .....                     |      |                            |              |
| Henry      | .....                        |       | .....                   |      | 53 526                    | 824  | 32 535                     | 1 118        |
| Iroquois   | .....                        |       | .....                   |      | .....                     |      | 61 293                     | 590*         |
| Jackson    | .....                        |       | .....                   |      | .....                     |      | 11 497                     | 496          |
| Jasper     | .....                        |       | .....                   |      | .....                     |      |                            |              |
| Jefferson  | .....                        |       | .....                   |      | .....                     |      | 38 604                     | 570*         |
| Jersey     | .....                        |       | .....                   |      | .....                     |      | 20 256                     | 373          |
| Jo Daviess | .....                        |       | .....                   |      | 23 263                    | 603  | 10 149                     | 346          |
| Johnson    | .....                        |       | .....                   |      | .....                     |      | 298 217                    | 524          |
| Kane       | .....                        |       | .....                   |      | .....                     |      |                            |              |
| Kankakee   | .....                        |       | .....                   |      | .....                     |      | 99 413                     | 678          |
| Kendall    | .....                        |       | .....                   |      | 36 647                    | 322  | 57 954                     | 720*         |
| Knox       | .....                        |       | .....                   |      | .....                     |      |                            |              |
| Lake       | 465 841                      | 454   | .....                   |      | .....                     |      |                            |              |
| La Salle   | 108 455                      | 1 139 | .....                   |      | .....                     |      |                            |              |
| Lawrence   | 18 424                       | 374   | .....                   |      | .....                     |      | 33 826                     | 725*         |
| Lee        | .....                        |       | .....                   |      | .....                     |      | 40 686                     | 1 046        |
| Livingston | .....                        |       | .....                   |      | .....                     |      | 30 475                     | 619          |
| Logan      | .....                        |       | .....                   |      | .....                     |      |                            |              |
| McDonough  | 36 265                       | 590   | .....                   |      | .....                     |      |                            |              |

\*Less than .5 psi overpressure

STATE OF ILLINOIS (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|-------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| McHenry     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 158 605                    | 607                  |
| McLean      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 152 292                    | 1 185                |
| Macon       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 127 873                    | 581                  |
| Macoupin    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 49 374                     | 865*                 |
| Madison     | 247 422                      | 728                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Marion      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 44 925                     | 573*                 |
| Marshall    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 13 787                     | 388*                 |
| Mason       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 17 943                     | 536                  |
| Massac      | 14 850                       | 241                    | .....                   | .....             | .....                     | .....               | 11 674                     | 315                  |
| Menard      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Mercer      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 19 385                     | 559                  |
| Monroe      | .....                        | .....                  | .....                   | .....             | 21 041                    | 388                 | .....                      | .....                |
| Montgomery  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 32 096                     | 705*                 |
| Morgan      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 37 146                     | 568*                 |
| Moultrie    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 14 598                     | 325*                 |
| Ogle        | .....                        | .....                  | .....                   | .....             | 45 687                    | 759                 | .....                      | .....                |
| Peoria      | 191 238                      | 620                    | .....                   | .....             | .....                     | .....               | 22 442                     | 442*                 |
| Perry       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 16 400                     | 439*                 |
| Piatt       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 18 603                     | 830*                 |
| Pike        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Pope        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 345                      | 374                  |
| Pulaski     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 8 556                      | 203                  |
| Putnam      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 6 199                      | 160*                 |
| Randolph    | 35 699                       | 583                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Richland    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 18 653                     | 360                  |
| Rock Island | 164 903                      | 423                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| St Clair    | 267 819                      | 672                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Saline      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 28 808                     | 385*                 |
| Sangamon    | 179 013                      | 806                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Schuyler    | .....                        | .....                  | .....                   | .....             | 8 028                     | 436                 | .....                      | .....                |

\*Less than .5 psi overpressure

STATE OF ILLINOIS (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | AREA   | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA  | LOW/NO* RISK<br>POPULATION | AREA     |
|-------------|------------------------------|--------|-------------------------|-------|---------------------------|-------|----------------------------|----------|
| Scott       | .....                        | .....  | .....                   | ..... | .....                     | ..... | 5 978                      | 251*     |
| Shelby      | .....                        | .....  | .....                   | ..... | .....                     | ..... | 23 698                     | 747*     |
| Stark       | .....                        | .....  | .....                   | ..... | .....                     | ..... | 6 878                      | 288*     |
| Stephenson  | 49 795                       | 564    | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| Tazewell    | 128 870                      | 650    | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| Union       | .....                        | .....  | .....                   | ..... | .....                     | ..... | 18 287                     | 414*     |
| Vermilion   | .....                        | .....  | .....                   | ..... | .....                     | ..... | 92 625                     | 900*     |
| Wabash      | 14 342                       | 224    | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| Warren      | .....                        | .....  | .....                   | ..... | .....                     | ..... | 21 014                     | 543*     |
| Washington  | .....                        | .....  | .....                   | ..... | .....                     | ..... | 15 168                     | 563      |
| Wayne       | .....                        | .....  | .....                   | ..... | .....                     | ..... | 18 799                     | 715*     |
| White       | .....                        | .....  | .....                   | ..... | 18 279                    | 497   | .....                      | .....    |
| Whiteside   | .....                        | .....  | 63 783                  | 682   | .....                     | ..... | .....                      | .....    |
| Will        | 334 477                      | 844    | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| Williamson  | .....                        | .....  | .....                   | ..... | .....                     | ..... | 59 035                     | 427*     |
| Winnebago   | .....                        | .....  | .....                   | ..... | .....                     | ..... | 249 453                    | 515      |
| Woodford    | .....                        | .....  | .....                   | ..... | .....                     | ..... | 33 211                     | 527      |
| TOTAL STATE | 8 517 316                    | 13 686 | 68 783                  | 682   | 297 785                   | 5 417 | 2 673 372                  | 35 801   |
|             |                              |        |                         |       |                           |       | (1 496 597                 | 15 088)  |
|             |                              |        |                         |       |                           |       | (1 176 775                 | 20 713)* |

\*Less than .5 psi overpressure

S T A T E O F I N D I A N A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 5,499,636  
Land Area: 35,963 square miles

| COUNTY      | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |       |
|-------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|-------|
|             | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA  |
| Adams       | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Allen       | 287 909        | 659   | .....               | .....      | .....              | .....      | .....               | ..... |
| Bartholomew | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Benton      | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Blackford   | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Boone       | .....          | ..... | .....               | 39 948     | .....              | .....      | .....               | ..... |
| Brown       | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Carroll     | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Cass        | .....          | ..... | .....               | 39 602     | .....              | .....      | .....               | ..... |
| Clark       | 89 700         | 376   | .....               | .....      | .....              | .....      | .....               | ..... |
| Clay        | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Clinton     | .....          | ..... | .....               | 24 189     | .....              | .....      | .....               | ..... |
| Crawford    | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Daviess     | 29 889         | 432   | .....               | .....      | .....              | .....      | .....               | ..... |
| Dearborn    | .....          | ..... | .....               | 37 278     | .....              | .....      | .....               | ..... |
| Decatur     | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| De Kalb     | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Delaware    | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Dubois      | 35 783         | 429   | .....               | .....      | .....              | .....      | .....               | ..... |
| Elkhart     | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Fayette     | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Floyd       | .....          | ..... | .....               | 63 461     | .....              | .....      | .....               | ..... |
| Fountain    | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Franklin    | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Fulton      | .....          | ..... | .....               | 18 858     | .....              | .....      | .....               | ..... |

\*Less than .5 psi overpressure

STATE OF INDIANA (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Gibson     | .....                        | .....                  | .....                   | .....             | 34 621                    | 490                 | 78 305                     | 415*                 |
| Grant      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Greene     | 30 483                       | 546                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Hamilton   | .....                        | .....                  | .....                   | .....             | 90 684                    | 398                 | .....                      | .....                |
| Hancock    | .....                        | .....                  | .....                   | .....             | 44 449                    | 307                 | .....                      | .....                |
| Harrison   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 28 777                     | 486                  |
| Hendricks  | 73 600                       | 409                    | .....                   | .....             | .....                     | .....               | 49 438                     | 395*                 |
| Henry      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Howard     | .....                        | .....                  | .....                   | .....             | 84 640                    | 293                 | .....                      | .....                |
| Huntington | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 34 915                     | 366                  |
| Jackson    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 37 924                     | 514*                 |
| Jasper     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 26 785                     | 561*                 |
| Jay        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 21 544                     | 384*                 |
| Jefferson  | 30 439                       | 363                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Jennings   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 22 737                     | 378                  |
| Johnson    | 82 426                       | 321                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Knox       | .....                        | .....                  | .....                   | .....             | 43 254                    | 520                 | .....                      | .....                |
| Kosciusko  | .....                        | .....                  | .....                   | .....             | 62 293                    | 540                 | .....                      | .....                |
| LaGrange   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 28 018                     | 380*                 |
| Lake       | 500 016                      | 501                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| La Porte   | .....                        | .....                  | .....                   | .....             | 106 674                   | 600                 | .....                      | .....                |
| Lawrence   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 41 069                     | 452*                 |
| Madison    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 132 788                    | 453                  |
| Marion     | 777 116                      | 396                    | .....                   | .....             | .....                     | .....               | 40 965                     | 444                  |
| Marshall   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Martin     | 10 811                       | 339                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Miami      | 36 512                       | 369                    | .....                   | .....             | .....                     | .....               | 101 351                    | 385                  |
| Monroe     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 35 828                     | 505*                 |
| Montgomery | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Morgan     | .....                        | .....                  | .....                   | .....             | 53 958                    | 409                 | .....                      | .....                |

\*Less than .5 psi overpressure

STATE OF INDIANA (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|-------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Newton      |                              |                        |                         |                   |                           |                     | 14 572                     | 401*                 |
| Noble       |                              |                        |                         |                   |                           |                     | 36 347                     | 413                  |
| Ohio        |                              |                        |                         |                   |                           |                     | 5 153                      | 87                   |
| Orange      |                              |                        |                         |                   |                           |                     | 18 661                     | 408*                 |
| Owen        |                              |                        |                         |                   |                           |                     | 16 529                     | 386*                 |
| Parke       |                              |                        |                         |                   |                           |                     | 16 845                     | 444                  |
| Perry       |                              |                        |                         |                   |                           |                     | 19 057                     | 381*                 |
| Pike        | 13 173                       | 341                    |                         |                   |                           |                     |                            |                      |
| Porter      | 126 246                      | 419                    |                         |                   |                           |                     |                            |                      |
| Posey       | 26 129                       | 410                    |                         |                   |                           |                     |                            |                      |
| Pulaski     |                              |                        |                         |                   |                           |                     | 13 458                     | 435*                 |
| Putnam      |                              |                        |                         |                   |                           |                     | 30 660                     | 482*                 |
| Randolph    |                              |                        |                         |                   |                           |                     | 28 234                     | 454*                 |
| Ripley      |                              |                        |                         |                   |                           |                     | 25 250                     | 447                  |
| Rush        |                              |                        |                         |                   |                           |                     | 18 766                     | 408*                 |
| St Joseph   | 239 263                      | 459                    |                         |                   |                           |                     | 20 313                     | 192                  |
| Scott       |                              |                        |                         |                   |                           |                     | 40 382                     | 412                  |
| Shelby      |                              |                        |                         |                   |                           |                     | 21 255                     | 400                  |
| Spencer     |                              |                        |                         |                   |                           |                     | 20 993                     | 309*                 |
| Starke      |                              |                        |                         |                   |                           |                     | 25 018                     | 308*                 |
| Steuben     |                              |                        |                         |                   |                           |                     | 20 798                     | 452                  |
| Sullivan    |                              |                        |                         |                   |                           |                     | 124 393                    | 502*                 |
| Switzerland | 7 626                        | 224                    |                         |                   |                           |                     |                            |                      |
| Tippecanoe  |                              |                        |                         |                   | 15 688                    | 261                 |                            |                      |
| Tipton      |                              |                        |                         |                   |                           |                     | 6 746                      | 163*                 |
| Union       |                              |                        |                         |                   |                           |                     | 168 196                    | 263                  |
| Vanderburgh |                              |                        |                         |                   |                           |                     | 17 904                     | 260                  |
| Vermillion  |                              |                        |                         |                   |                           |                     |                            |                      |
| Vigo        | 109 571                      | 405                    |                         |                   |                           |                     |                            |                      |
| Wabash      | 34 816                       | 398                    |                         |                   |                           |                     |                            |                      |

\*Less than .5 psi overpressure



STATE OF INDIANA (Continued)

| COUNTY      | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |          |
|-------------|----------------|-------|------------|-------|-------------|-------|--------------|----------|
|             | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA     |
| Warren      | .....          | ..... | .....      | ..... | .....       | ..... | 8 969        | 366*     |
| Warrick     | .....          | ..... | .....      | ..... | .....       | ..... | 45 743       | 391      |
| Washington  | .....          | ..... | .....      | ..... | .....       | ..... | 22 315       | 516*     |
| Wayne       | .....          | ..... | .....      | ..... | .....       | ..... | 72 979       | 404*     |
| Wells       | .....          | ..... | .....      | ..... | .....       | ..... | 24 878       | 370      |
| White       | .....          | ..... | .....      | ..... | .....       | ..... | 23 599       | 506*     |
| Whitley     | .....          | ..... | .....      | ..... | .....       | ..... | 26 512       | 336      |
| TOTAL STATE | 1 842 108      | 7 796 | ---        | ---   | 759 597     | 5 842 | 2 897 931    | 22 325   |
|             |                |       |            |       |             |       | (1 092 641   | 9 311)   |
|             |                |       |            |       |             |       | (1 805 290   | 13 014)* |

\*Less than .5 psi overpressure

S T A T E O F M I C H I G A N - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 9,030,778  
Land Area: 57,019 square miles

| COUNTY     | VERY HIGH RISK<br>GT 10 PSI |       | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |      | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |      | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |       |
|------------|-----------------------------|-------|----------------------------------|------|-----------------------------------|------|-------------------------------------|-------|
|            | POPULATION                  | AREA  | POPULATION                       | AREA | POPULATION                        | AREA | POPULATION                          | AREA  |
| Alcona     |                             |       |                                  |      |                                   |      | 9 865                               | 679   |
| Alger      |                             |       |                                  |      |                                   |      | 8 715                               | 912   |
| Allegan    |                             |       |                                  |      |                                   |      | 84 857                              | 832   |
| Alpena     | 31 164                      | 568   |                                  |      |                                   |      |                                     |       |
| Antrim     |                             |       |                                  |      | 16 919                            | 480  |                                     |       |
| Arenac     |                             |       |                                  |      |                                   |      | 15 260                              | 368   |
| Baraga     |                             |       |                                  |      |                                   |      | 8 276                               | 901*  |
| Barry      |                             |       |                                  |      | 46 620                            | 560  |                                     |       |
| Bay        | 116 484                     | 447   |                                  |      |                                   |      |                                     |       |
| Benzie     |                             |       |                                  |      |                                   |      | 11 105                              | 322*  |
| Berrien    | 160 914                     | 576   |                                  |      |                                   |      | 38 324                              | 508*  |
| Branch     |                             |       |                                  |      |                                   |      |                                     |       |
| Calhoun    | 136 813                     | 712   |                                  |      |                                   |      |                                     |       |
| Cass       |                             |       |                                  |      | 47 369                            | 496  |                                     |       |
| Charlevoix | 19 648                      | 421   |                                  |      |                                   |      |                                     |       |
| Cheboygan  |                             |       |                                  |      |                                   |      | 20 952                              | 720*  |
| Chippewa   | 28 740                      | 1 590 |                                  |      |                                   |      | 24 955                              | 570*  |
| Clare      |                             |       |                                  |      |                                   |      |                                     |       |
| Clinton    |                             |       |                                  |      | 55 108                            | 573  |                                     |       |
| Crawford   |                             |       |                                  |      |                                   |      | 9 904                               | 559   |
| Delta      |                             |       |                                  |      |                                   |      | 39 551                              | 1 173 |
| Dickinson  |                             |       |                                  |      |                                   |      | 25 983                              | 770   |
| Eaton      |                             |       |                                  |      | 89 510                            | 579  |                                     |       |
| Emmet      |                             |       |                                  |      | 23 747                            | 468  |                                     |       |
| Genesee    |                             |       |                                  |      | 430 014                           | 642  |                                     |       |

\*Less than .5 psi overpressure

STATE OF MICHIGAN (Continued)

| COUNTY         | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |        |
|----------------|----------------|-------|------------|-------|-------------|-------|--------------|--------|
|                | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA   |
| Gladwin        | .....          | ..... | .....      | ..... | .....       | ..... | 21 607       | 505    |
| Gogebic        | .....          | ..... | .....      | ..... | .....       | ..... | 19 217       | 1 105* |
| Grand Traverse | .....          | ..... | .....      | ..... | .....       | ..... | 57 547       | 466*   |
| Gratiot        | 39 574         | 570   | .....      | ..... | .....       | ..... | 41 565       | 603    |
| Hillsdale      | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Houghton       | 38 148         | 1 014 | .....      | ..... | .....       | ..... | 35 867       | 830*   |
| Huron          | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Ingham         | 270 681        | 560   | .....      | ..... | .....       | ..... | .....        | .....  |
| Ionia          | .....          | ..... | .....      | ..... | 52 503      | 577   | .....        | .....  |
| Iosco          | 30 680         | 546   | .....      | ..... | .....       | ..... | .....        | .....  |
| Iron           | .....          | ..... | .....      | ..... | .....       | ..... | 14 100       | 1 163* |
| Isabella       | .....          | ..... | .....      | ..... | 54 659      | 576   | .....        | .....  |
| Jackson        | 143 728        | 705   | .....      | ..... | .....       | ..... | .....        | .....  |
| Kalamazoo      | 215 916        | 562   | .....      | ..... | .....       | ..... | 11 623       | 563*   |
| Kalkaska       | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Kent           | 465 963        | 862   | .....      | ..... | .....       | ..... | .....        | .....  |
| Keweenaw       | .....          | ..... | .....      | ..... | 2 096       | 544   | 8 593        | 568*   |
| Lake           | .....          | ..... | .....      | ..... | .....       | ..... | 68 766       | 658    |
| Lapeer         | .....          | ..... | .....      | ..... | .....       | ..... | 14 462       | 341*   |
| Leelanau       | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Lenawee        | .....          | ..... | .....      | ..... | .....       | ..... | 87 729       | 753    |
| Livingston     | .....          | ..... | .....      | ..... | .....       | ..... | 100 690      | 575    |
| Luce           | .....          | ..... | .....      | ..... | .....       | ..... | 5 790        | 905*   |
| Mackinac       | .....          | ..... | .....      | ..... | .....       | ..... | 10 241       | 1 025  |
| Macomb         | 684 008        | 483   | .....      | ..... | .....       | ..... | .....        | .....  |
| Manistee       | .....          | ..... | .....      | ..... | .....       | ..... | 22 152       | 543*   |
| Marquette      | 71 997         | 1 882 | .....      | ..... | .....       | ..... | 26 439       | 495*   |
| Mason          | .....          | ..... | .....      | ..... | .....       | ..... | 37 282       | 560*   |
| Mecosta        | .....          | ..... | .....      | ..... | .....       | ..... | 25 896       | 1 045* |
| Menominee      | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |

\*Less than .5 psi overpressure

STATE OF MICHIGAN (Continued)

| COUNTY       | VERY HIGH RISK<br>POPULATION | AREA | HIGH RISK<br>POPULATION | AREA | MEDIUM RISK<br>POPULATION | AREA | LOW/NO* RISK<br>POPULATION | RISK<br>AREA |
|--------------|------------------------------|------|-------------------------|------|---------------------------|------|----------------------------|--------------|
| Midland      |                              |      |                         |      | 76 114                    | 525  |                            |              |
| Missaukee    |                              |      |                         |      |                           |      | 10 689                     | 565*         |
| Monroe       | 130 040                      | 557  |                         |      |                           |      |                            |              |
| Montcalm     | 50 284                       | 713  |                         |      |                           |      |                            |              |
| Montmorency  |                              |      |                         |      |                           |      | 7 813                      | 550*         |
| Muskegon     |                              |      |                         |      |                           |      | 155 184                    | 507*         |
| Newaygo      |                              |      |                         |      |                           |      | 36 547                     | 847*         |
| Oakland      | 1 003 070                    | 875  |                         |      |                           |      |                            |              |
| Oceana       |                              |      |                         |      |                           |      | 21 979                     | 541*         |
| Ogemaw       | 17 661                       | 569  |                         |      |                           |      |                            |              |
| Ontonagon    |                              |      |                         |      |                           |      | 9 630                      | 1 311*       |
| Osceola      |                              |      |                         |      |                           |      | 20 422                     | 569*         |
| Oscoda       |                              |      |                         |      |                           |      | 6 914                      | 568          |
| Otsego       |                              |      |                         |      |                           |      | 15 421                     | 516          |
| Ottawa       |                              |      |                         |      | 166 497                   | 567  |                            |              |
| Presque Isle |                              |      |                         |      |                           |      | 13 781                     | 656          |
| Roscommon    |                              |      |                         |      | 18 544                    | 528  |                            |              |
| Saginaw      |                              |      |                         |      | 216 774                   | 815  |                            |              |
| St Clair     | 137 706                      | 734  |                         |      |                           |      |                            |              |
| St Joseph    |                              |      |                         |      |                           |      | 58 102                     | 503          |
| Sanilac      |                              |      |                         |      |                           |      | 39 937                     | 964*         |
| Schoolcraft  |                              |      |                         |      |                           |      | 8 415                      | 1 173*       |
| Shiawassee   |                              |      |                         |      |                           |      | 67 929                     | 541          |
| Tuscola      |                              |      |                         |      |                           |      | 54 830                     | 812          |
| Van Buren    |                              |      |                         |      |                           |      | 66 432                     | 612          |
| Washtenaw    | 265 283                      | 710  |                         |      |                           |      |                            |              |
| Wayne        | 2 148 063                    | 615  |                         |      |                           |      |                            |              |
| Wexford      |                              |      |                         |      |                           |      | 26 401                     | 566*         |

TOTAL STATE 5 590 565 16 262 --- --- 1 296 474 7 930 2 143 739 32 827  
 \*Less than .5 psi overpressure (1 424 142 13 629)  
 ( 719 597 19 198)\*

S T A T E O F M I N N E S O T A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 4,181,231  
Land Area: 79,547 square miles

| COUNTY     | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |      |
|------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|------|
|            | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA |
| Aitkin     |                |       |                     |            |                    | 13 615     | 1 834*              |      |
| Anoka      |                |       | 214 648             | 430        |                    |            |                     |      |
| Becker     |                |       |                     |            |                    | 29 238     | 1 312*              |      |
| Beltrami   |                |       |                     |            |                    | 33 755     | 2 507*              |      |
| Benton     |                |       |                     |            |                    | 26 710     | 408*                |      |
| Big Stone  |                |       |                     |            |                    | 7 694      | 497*                |      |
| Blue Earth |                |       |                     |            |                    | 51 263     | 749*                |      |
| Brown      |                |       |                     |            |                    | 28 437     | 610*                |      |
| Carlton    | 30 176         | 864   |                     |            |                    |            |                     |      |
| Carver     |                |       |                     |            | 39 822             | 351        |                     |      |
| Cass       |                |       |                     |            |                    | 21 799     | 2 033*              |      |
| Chippewa   |                |       |                     |            |                    | 14 480     | 584*                |      |
| Chisago    |                |       |                     |            |                    | 28 024     | 417*                |      |
| Clay       | 48 492         | 1 049 |                     |            |                    |            |                     |      |
| Clearwater |                |       |                     |            |                    | 8 958      | 1 000*              |      |
| Cook       |                |       |                     |            |                    | 4 068      | 1 412               |      |
| Cottonwood |                |       |                     |            |                    | 14 015     | 640*                |      |
| Crow Wing  |                |       |                     |            |                    | 43 714     | 1 008*              |      |
| Dakota     | 218 358        | 575   |                     |            |                    |            |                     |      |
| Dodge      |                |       |                     |            |                    | 15 445     | 439*                |      |
| Douglas    |                |       |                     |            |                    | 29 249     | 644*                |      |
| Fairbault  |                |       |                     |            |                    | 18 552     | 714*                |      |
| Fillmore   |                |       |                     |            |                    | 21 505     | 862*                |      |
| Freeborn   |                |       |                     |            |                    | 35 034     | 705*                |      |
| Goodhue    |                |       |                     |            |                    | 39 373     | 763*                |      |

\*Less than .5 psi overpressure

STATE OF MINNESOTA (Continued)

| COUNTY           | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Grant            | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 6 899                      | 547*                 |
| Hennepin         | 969 049                      | 541                    | .....                   | .....             | .....                     | .....               | 18 852                     | 564*                 |
| Houston          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 14 427                     | 936*                 |
| Hubbard          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 25 121                     | 440*                 |
| Isanti           | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Itasca           | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 42 784                     | 2 661*               |
| Jackson          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 13 471                     | 699*                 |
| Kanabec          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 12 663                     | 527*                 |
| Kandiyohi        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 38 440                     | 784*                 |
| Kittson          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 6 467                      | 1 104*               |
| Koochiching      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 16 344                     | 3 108*               |
| Lac Qui Parle    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 177                     | 772*                 |
| Lake             | 11 624                       | 2 053                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Lake of the Wood | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 3 775                      | 1 296*               |
| Le Sueur         | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 23 743                     | 446*                 |
| Lincoln          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 7 811                      | 539*                 |
| Lyon             | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 25 402                     | 714*                 |
| McLeod           | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 30 687                     | 489*                 |
| Mahnomen         | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 369                      | 559*                 |
| Marshall         | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 12 456                     | 1 760                |
| Martin           | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 24 921                     | 706*                 |
| Meeker           | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 21 191                     | 624*                 |
| Mille Lacs       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 18 965                     | 578*                 |
| Morrison         | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 30 289                     | 1 124*               |
| Mower            | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 39 199                     | 711*                 |
| Murray           | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 926                     | 702*                 |
| Nicollet         | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 27 475                     | 440*                 |
| Nobles           | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 21 185                     | 714*                 |
| Norman           | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 8 628                      | 877*                 |
| Olmsted          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 97 282                     | 655*                 |

\*Less than .5 psi overpressure

STATE OF MINNESOTA (Continued)

| COUNTY     | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |        |
|------------|----------------|-------|------------|-------|-------------|-------|--------------|--------|
|            | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA   |
| Otter Tail | .....          | ..... | .....      | ..... | .....       | ..... | 52 568       | 1 973* |
| Pennington | .....          | ..... | .....      | ..... | .....       | ..... | 13 745       | 618*   |
| Pine       | .....          | ..... | .....      | ..... | .....       | ..... | 21 028       | 1 421  |
| Pipestone  | .....          | ..... | .....      | ..... | .....       | ..... | 11 155       | 466*   |
| Polk       | .....          | ..... | .....      | ..... | 33 479      | 1 981 |              |        |
| Pope       | .....          | ..... | .....      | ..... | .....       | ..... | 11 767       | 668*   |
| Ramsey     | 469 833        | 154   | .....      | ..... | .....       | ..... |              |        |
| Red Lake   | .....          | ..... | .....      | ..... | .....       | ..... | 5 145        | 433*   |
| Redwood    | .....          | ..... | .....      | ..... | .....       | ..... | 19 036       | 881*   |
| Renville   | .....          | ..... | .....      | ..... | .....       | ..... | 19 875       | 984*   |
| Rice       | .....          | ..... | .....      | ..... | .....       | ..... | 47 643       | 501*   |
| Rock       | .....          | ..... | .....      | ..... | .....       | ..... | 10 482       | 483    |
| Roseau     | .....          | ..... | .....      | ..... | .....       | ..... | 12 588       | 1 677* |
| St Louis   | 206 555        | 6 125 | .....      | ..... | .....       | ..... |              |        |
| Scott      | .....          | ..... | .....      | ..... | .....       | ..... | 47 955       | 357    |
| Sherburne  | .....          | ..... | .....      | ..... | .....       | ..... | 33 369       | 435*   |
| Sibley     | .....          | ..... | .....      | ..... | .....       | ..... | 15 312       | 593*   |
| Stearns    | .....          | ..... | .....      | ..... | .....       | ..... | 113 166      | 1 338* |
| Steele     | .....          | ..... | .....      | ..... | .....       | ..... | 29 841       | 431*   |
| Stevens    | .....          | ..... | .....      | ..... | .....       | ..... | 10 574       | 560*   |
| Swift      | .....          | ..... | .....      | ..... | .....       | ..... | 12 526       | 742*   |
| Todd       | .....          | ..... | .....      | ..... | .....       | ..... | 25 886       | 941*   |
| Traverse   | .....          | ..... | .....      | ..... | .....       | ..... | 5 391        | 575*   |
| Wabasha    | .....          | ..... | .....      | ..... | .....       | ..... | 19 538       | 537*   |
| Wadena     | .....          | ..... | .....      | ..... | .....       | ..... | 13 856       | 537*   |
| Waseca     | .....          | ..... | .....      | ..... | .....       | ..... | 18 502       | 422*   |
| Washington | 125 448        | 390   | .....      | ..... | .....       | ..... |              |        |
| Watonwan   | .....          | ..... | .....      | ..... | .....       | ..... | 12 366       | 435*   |
| Wilkin     | .....          | ..... | .....      | ..... | .....       | ..... | 7 996        | 751*   |
| Winona     | .....          | ..... | .....      | ..... | .....       | ..... | 46 636       | 630*   |

\*Less than .5 psi overpressure

STATE OF MINNESOTA (Continued)

| COUNTY          | VERY HIGH THREAT<br>POPULATION | HIGH THREAT<br>POPULATION | AREA    | MEDIUM THREAT<br>POPULATION | AREA   | LOW/NO* THREAT<br>POPULATION | AREA       |
|-----------------|--------------------------------|---------------------------|---------|-----------------------------|--------|------------------------------|------------|
| Wright          | .....                          | .....                     | .....   | .....                       | .....  | 62 769                       | 672        |
| Yellow Medicine | .....                          | .....                     | .....   | .....                       | .....  | 13 155                       | 759*       |
| TOTAL STATE     | 2 079 535                      | 11 751                    | 214 648 | 430                         | 73 301 | 2 332                        | 1 813 747  |
|                 |                                |                           |         |                             |        |                              | 65 034     |
|                 |                                |                           |         |                             |        |                              | ( 158 758  |
|                 |                                |                           |         |                             |        |                              | (1 654 989 |
|                 |                                |                           |         |                             |        |                              | 58 929)*   |

\*Less than .5 psi overpressure



S T A T E O F O H I O - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 10,638,633  
Land Area: 41,006 square miles

| COUNTY     | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK         |       |
|------------|----------------|-------|---------------------|------------|--------------------|------------|----------------------|-------|
|            | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2ZPSI | AREA  |
| Adams      | .....          | ..... | .....               | .....      | .....              | .....      | .....                | ..... |
| Allen      | 108 246        | 405   | .....               | .....      | 24 825             | 586        | .....                | ..... |
| Ashland    | .....          | ..... | .....               | .....      | 46 416             | 424        | .....                | ..... |
| Ashtabula  | 100 965        | 703   | .....               | .....      | 58 385             | 508        | .....                | ..... |
| Athens     | .....          | ..... | .....               | .....      | .....              | .....      | .....                | ..... |
| Auglaize   | 43 248         | 398   | .....               | .....      | 81 529             | 537        | .....                | ..... |
| Belmont    | .....          | ..... | .....               | .....      | .....              | .....      | .....                | ..... |
| Brown      | .....          | ..... | .....               | .....      | .....              | .....      | .....                | ..... |
| Butler     | .....          | ..... | 267 089             | 465        | .....              | .....      | 33 844               | 493   |
| Carroll    | 27 213         | 393   | .....               | .....      | .....              | .....      | .....                | ..... |
| Champaign  | .....          | ..... | .....               | .....      | .....              | .....      | .....                | ..... |
| Clark      | 146 853        | 398   | .....               | .....      | .....              | .....      | 33 387               | 429   |
| Clermont   | .....          | ..... | 138 508             | 456        | .....              | .....      | .....                | ..... |
| Clinton    | .....          | ..... | .....               | .....      | .....              | .....      | 34 895               | 410*  |
| Columbiana | 11 603         | 534   | .....               | .....      | .....              | .....      | .....                | ..... |
| Coshocton  | 36 487         | 566   | .....               | .....      | .....              | .....      | .....                | ..... |
| Crawford   | .....          | ..... | .....               | .....      | .....              | .....      | 48 719               | 403*  |
| Cuyahoga   | 1 451 046      | 459   | .....               | .....      | .....              | .....      | .....                | ..... |
| Darke      | .....          | ..... | 53 525              | 606        | .....              | .....      | .....                | ..... |
| Defiance   | .....          | ..... | .....               | .....      | .....              | .....      | 38 008               | 414*  |
| Delaware   | .....          | ..... | .....               | .....      | .....              | .....      | 58 142               | 443   |
| Erie       | .....          | ..... | .....               | .....      | .....              | .....      | 77 447               | 264   |
| Fairfield  | .....          | ..... | .....               | .....      | .....              | .....      | 96 335               | 506   |
| Fayette    | .....          | ..... | .....               | .....      | .....              | .....      | 27 400               | 405*  |
| Franklin   | 899 877        | 542   | .....               | .....      | .....              | .....      | .....                | ..... |

\*Less than .5 psi overpressure

STATE OF OHIO (Continued)

| COUNTY    | VERY HIGH RISK<br>POPULATION | AREA | HIGH RISK<br>POPULATION | AREA | MEDIUM RISK<br>POPULATION | AREA | LOW/NO* RISK<br>POPULATION | RISK<br>AREA |
|-----------|------------------------------|------|-------------------------|------|---------------------------|------|----------------------------|--------------|
| Fulton    | 38 575                       | 407  |                         |      |                           |      | 75 013                     | 408*         |
| Gallia    | 30 092                       | 471  |                         |      |                           |      |                            |              |
| Geauga    |                              |      |                         |      |                           |      |                            |              |
| Greene    | 129 410                      | 415  |                         |      |                           |      | 41 304                     | 522          |
| Guernsey  |                              |      |                         |      |                           |      |                            |              |
| Hamilton  | 861 633                      | 412  |                         |      |                           |      |                            |              |
| Hancock   | 64 917                       | 532  |                         |      |                           |      | 31 387                     | 471          |
| Hardin    |                              |      |                         |      |                           |      | 16 159                     | 400          |
| Harrison  |                              |      |                         |      |                           |      |                            |              |
| Henry     |                              |      |                         |      | 28 187                    | 415  |                            |              |
| Highland  |                              |      |                         |      |                           |      | 34 376                     | 553*         |
| Hocking   |                              |      |                         |      |                           |      | 24 746                     | 423*         |
| Holmes    |                              |      |                         |      |                           |      | 30 289                     | 424*         |
| Huron     |                              |      |                         |      |                           |      | 55 072                     | 495          |
| Jackson   |                              |      |                         |      |                           |      | 29 753                     | 420*         |
| Jefferson | 86 780                       | 410  |                         |      |                           |      | 47 613                     | 529          |
| Knox      |                              |      |                         |      |                           |      |                            |              |
| Lake      | 216 175                      | 231  |                         |      |                           |      |                            |              |
| Lawrence  | 62 576                       | 456  |                         |      |                           |      |                            |              |
| Licking   |                              |      |                         |      | 124 764                   | 686  |                            |              |
| Logan     |                              |      |                         |      |                           |      | 39 597                     | 458          |
| Lorain    | 270 340                      | 495  |                         |      |                           |      |                            |              |
| Lucas     | 462 017                      | 341  |                         |      |                           |      | 34 949                     | 467          |
| Madison   |                              |      |                         |      |                           |      |                            |              |
| Mahoning  |                              |      |                         |      | 279 136                   | 417  |                            |              |
| Marion    |                              |      |                         |      |                           |      | 66 049                     | 403*         |
| Medina    |                              |      |                         |      | 116 655                   | 422  |                            |              |
| Meigs     |                              |      | 23 696                  | 432  |                           |      |                            |              |
| Mercer    |                              |      |                         |      | 38 647                    | 457  |                            |              |
| Miami     |                              |      |                         |      |                           |      | 88 976                     | 410          |

\*Less than .5 psi overpressure

STATE OF OHIO (Continued)

| COUNTY     | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |       |
|------------|----------------|-------|------------|-------|-------------|-------|--------------|-------|
|            | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA  |
| Monroe     | .....          | ..... | 16 091     | 458   | .....       | ..... | .....        | ..... |
| Montgomery | .....          | ..... | .....      | ..... | 561 738     | 458   | 14 056       | 420   |
| Morgan     | .....          | ..... | .....      | ..... | .....       | ..... | 26 564       | 406   |
| Morrow     | .....          | ..... | 84 376     | 654   | .....       | ..... | .....        | ..... |
| Muskingum  | .....          | ..... | .....      | ..... | .....       | ..... | .....        | ..... |
| Noble      | .....          | ..... | .....      | ..... | .....       | ..... | 11 231       | 399   |
| Ottawa     | .....          | ..... | .....      | ..... | .....       | ..... | 39 633       | 253   |
| Paulding   | .....          | ..... | .....      | ..... | .....       | ..... | 20 507       | 419*  |
| Perry      | .....          | ..... | .....      | ..... | .....       | ..... | 31 855       | 412*  |
| Pickaway   | .....          | ..... | .....      | ..... | 42 544      | 503   | .....        | ..... |
| Pike       | 24 296         | 443   | .....      | ..... | .....       | ..... | 137 910      | 493   |
| Portage    | .....          | ..... | .....      | ..... | .....       | ..... | 38 517       | 426   |
| Preble     | .....          | ..... | .....      | ..... | .....       | ..... | 33 276       | 484   |
| Putnam     | 128 552        | 497   | .....      | ..... | .....       | ..... | .....        | ..... |
| Richland   | .....          | ..... | .....      | ..... | .....       | ..... | .....        | ..... |
| Ross       | .....          | ..... | .....      | ..... | .....       | ..... | 68 139       | 692   |
| Sandusky   | .....          | ..... | 61 918     | 409   | .....       | ..... | .....        | ..... |
| Scioto     | .....          | ..... | .....      | ..... | 84 422      | 614   | .....        | ..... |
| Seneca     | .....          | ..... | 61 233     | 553   | .....       | ..... | .....        | ..... |
| Shelby     | .....          | ..... | 43 360     | 409   | .....       | ..... | .....        | ..... |
| Stark      | 376 852        | 574   | .....      | ..... | .....       | ..... | 85 576       | 569   |
| Summit     | 509 599        | 412   | .....      | ..... | .....       | ..... | 31 017       | 437   |
| Trumbull   | 235 536        | 612   | .....      | ..... | .....       | ..... | .....        | ..... |
| Tuscarawas | .....          | ..... | .....      | ..... | .....       | ..... | .....        | ..... |
| Union      | .....          | ..... | .....      | ..... | .....       | ..... | .....        | ..... |
| Van Wert   | .....          | ..... | .....      | ..... | .....       | ..... | 29 833       | 410   |
| Vinton     | .....          | ..... | .....      | ..... | .....       | ..... | 11 473       | 414   |
| Warren     | .....          | ..... | .....      | ..... | .....       | ..... | 103 313      | 403   |
| Washington | 64 922         | 640   | .....      | ..... | .....       | ..... | .....        | ..... |
| Wayne      | .....          | ..... | 100 270    | 557   | .....       | ..... | .....        | ..... |

\*Less than .5 psi overpressure

STATE OF OHIO (Continued)

| COUNTY      | VERY HIGH RISK |         | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |         |
|-------------|----------------|---------|------------|-------|-------------|-------|--------------|---------|
|             | POPULATION     | AREA    | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA    |
| Williams    | .....          | .....   | .....      | ..... | .....       | ..... | 36 158       | 422*    |
| Wood        | 108 636        | 619     |            |       |             |       |              |         |
| Wyandot     | .....          | .....   | .....      | ..... | .....       | ..... | 22 355       | 406     |
| TOTAL STATE | 6 496 446      | 1 236 5 | 850 066    | 4 999 | 1 487 248   | 6 027 | 1 804 873    | 17 615  |
|             |                |         |            |       |             |       | (1 307 105   | 12 099) |
|             |                |         |            |       |             |       | ( 497 768    | 5 516)* |

\*Less than .5 psi overpressure

S T A T E O F W I S C O N S I N - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 4,779,553  
Land Area: 54,424 square miles

| COUNTY      | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |        |
|-------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|--------|
|             | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA   |
| Adams       | .....          | ..... | .....               | .....      | .....              | .....      | 13 859              | 648*   |
| Ashland     | .....          | ..... | .....               | .....      | .....              | .....      | 17 248              | 1 048* |
| Barron      | .....          | ..... | .....               | .....      | .....              | .....      | 39 553              | 865*   |
| Bayfield    | .....          | ..... | .....               | .....      | .....              | .....      | 14 400              | 1 462* |
| Brown       | .....          | ..... | .....               | .....      | .....              | .....      | 182 756             | 524*   |
| Buffalo     | .....          | ..... | .....               | .....      | .....              | .....      | 14 572              | 699*   |
| Burnett     | .....          | ..... | .....               | .....      | .....              | .....      | 13 869              | 818*   |
| Calumet     | .....          | ..... | .....               | .....      | .....              | .....      | 33 511              | 326*   |
| Chippewa    | .....          | ..... | .....               | .....      | .....              | .....      | 53 660              | 1 017* |
| Clark       | .....          | ..... | .....               | .....      | .....              | .....      | 34 020              | 1 218* |
| Columbia    | .....          | ..... | .....               | .....      | .....              | .....      | 44 916              | 771    |
| Crawford    | .....          | ..... | .....               | .....      | .....              | .....      | 16 679              | 566*   |
| Dane        | 335 264        | 1 205 | .....               | .....      | .....              | .....      | 76 135              | 887*   |
| Dodge       | .....          | ..... | .....               | .....      | .....              | .....      | 26 236              | 492*   |
| Door        | .....          | ..... | .....               | .....      | .....              | .....      | .....               | .....  |
| Douglas     | 43 876         | 1 305 | .....               | .....      | .....              | .....      | 34 908              | 853*   |
| Dunn        | .....          | ..... | .....               | .....      | .....              | .....      | 83 603              | 638*   |
| Eau Claire  | .....          | ..... | .....               | .....      | .....              | .....      | 4 025               | 486*   |
| Florence    | .....          | ..... | .....               | .....      | .....              | .....      | 89 789              | 725*   |
| Fond du Lac | .....          | ..... | .....               | .....      | .....              | .....      | .....               | .....  |
| Forest      | .....          | ..... | .....               | .....      | .....              | .....      | 9 364               | 1 011* |
| Grant       | .....          | ..... | .....               | .....      | .....              | .....      | 51 842              | 1 14*  |
| Green       | .....          | ..... | .....               | .....      | .....              | .....      | 30 446              | 583    |
| Green Lake  | .....          | ..... | .....               | .....      | .....              | .....      | 19 281              | 357*   |
| Iowa        | .....          | ..... | .....               | .....      | .....              | .....      | 20 743              | 760*   |

\*Less than .5 psi overpressure

STATE OF WISCONSIN (Continued)

| COUNTY    | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |        |
|-----------|----------------|-------|------------|-------|-------------|-------|--------------|--------|
|           | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA   |
| Iron      | .....          | ..... | .....      | ..... | .....       | ..... | 6 280        | 751*   |
| Jackson   | .....          | ..... | .....      | ..... | .....       | ..... | 16 607       | 998    |
| Jefferson | .....          | ..... | .....      | ..... | .....       | ..... | 66 968       | 562*   |
| Juneau    | 21 336         | 774   | .....      | ..... | .....       | ..... | .....        | .....  |
| Kenosha   | .....          | ..... | 120 916    | 273   | .....       | ..... | .....        | .....  |
| Kewaunee  | .....          | ..... | .....      | ..... | .....       | ..... | 20 184       | 343*   |
| La Crosse | .....          | ..... | .....      | ..... | 93 613      | 457   | 17 175       | 634*   |
| LaFayette | .....          | ..... | .....      | ..... | .....       | ..... | 20 122       | 873*   |
| Langlade  | .....          | ..... | .....      | ..... | .....       | ..... | 28 174       | 886*   |
| Lincoln   | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Manitowoc | .....          | ..... | .....      | ..... | .....       | ..... | 83 201       | 594*   |
| Marathon  | .....          | ..... | .....      | ..... | .....       | ..... | 112 970      | 1 559* |
| Marinette | .....          | ..... | .....      | ..... | .....       | ..... | 40 352       | 1 395* |
| Marquette | .....          | ..... | .....      | ..... | .....       | ..... | 12 737       | 454*   |
| Menominee | .....          | ..... | .....      | ..... | .....       | ..... | 3 832        | 359*   |
| Milwaukee | 951 403        | 241   | .....      | ..... | .....       | ..... | .....        | .....  |
| Monroe    | 36 025         | 904   | .....      | ..... | .....       | ..... | 30 044       | 1 002* |
| Oconto    | .....          | ..... | .....      | ..... | .....       | ..... | 31 238       | 1 130* |
| Oneida    | .....          | ..... | .....      | ..... | .....       | ..... | 133 891      | 642*   |
| Outagamie | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Ozaukee   | .....          | ..... | .....      | ..... | .....       | ..... | 67 465       | 235    |
| Pepin     | .....          | ..... | .....      | ..... | .....       | ..... | 7 643        | 231*   |
| Pierce    | .....          | ..... | .....      | ..... | .....       | ..... | 32 390       | 576    |
| Polk      | .....          | ..... | .....      | ..... | .....       | ..... | 34 191       | 919*   |
| Portage   | .....          | ..... | .....      | ..... | .....       | ..... | 57 011       | 810*   |
| Price     | .....          | ..... | .....      | ..... | .....       | ..... | 16 777       | 1 256* |
| Racine    | 173 954        | 334   | .....      | ..... | .....       | ..... | 17 627       | 585*   |
| Richland  | .....          | ..... | .....      | ..... | .....       | ..... | 138 419      | 724    |
| Rock      | .....          | ..... | .....      | ..... | .....       | ..... | 16 110       | 913*   |
| Rusk      | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |

\*Less than .5 psi overpressure

STATE OF WISCONSIN (Continued)

| COUNTY      | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |        |
|-------------|----------------|-------|------------|-------|-------------|-------|--------------|--------|
|             | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA   |
| St Croix    | .....          | ..... | .....      | ..... | .....       | ..... | 45 277       | 723    |
| Sauk        | .....          | ..... | .....      | ..... | .....       | ..... | 44 873       | 838    |
| Sawyer      | .....          | ..... | .....      | ..... | .....       | ..... | 14 310       | 1 255* |
| Shawano     | .....          | ..... | .....      | ..... | .....       | ..... | 36 820       | 897*   |
| Sheboygan   | .....          | ..... | .....      | ..... | .....       | ..... | 102 389      | 515*   |
| Taylor      | .....          | ..... | .....      | ..... | .....       | ..... | 18 660       | 975*   |
| Trempealeau | .....          | ..... | .....      | ..... | .....       | ..... | 26 132       | 736*   |
| Vernon      | .....          | ..... | .....      | ..... | .....       | ..... | 26 772       | 808    |
| Vilas       | .....          | ..... | .....      | ..... | .....       | ..... | 17 750       | 867*   |
| Walworth    | .....          | ..... | .....      | ..... | .....       | ..... | 70 757       | 556*   |
| Washburn    | .....          | ..... | .....      | ..... | .....       | ..... | 13 767       | 815*   |
| Washington  | .....          | ..... | .....      | ..... | .....       | ..... | 87 947       | 431    |
| Waukesha    | .....          | ..... | .....      | ..... | .....       | ..... | 286 077      | 554    |
| Waupaca     | .....          | ..... | .....      | ..... | .....       | ..... | 43 959       | 754*   |
| Waushara    | .....          | ..... | .....      | ..... | .....       | ..... | 19 321       | 628*   |
| Winnebago   | .....          | ..... | .....      | ..... | .....       | ..... | 133 994      | 449*   |
| Wood        | .....          | ..... | .....      | ..... | .....       | ..... | 77 538       | 801*   |

|             |           |       |         |     |        |     |            |          |
|-------------|-----------|-------|---------|-----|--------|-----|------------|----------|
| TOTAL STATE | 1 561 858 | 4 762 | 120 916 | 273 | 96 613 | 457 | 3 000 166  | 48 931   |
|             |           |       |         |     |        |     | ( 821 189  | 7 241)   |
|             |           |       |         |     |        |     | (2 178 977 | 41 960)* |

\*Less than .5 psi overpressure

F E M A R E G I O N V I - - D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 28,140,362  
 Land Area: 548,583 square miles

| STATE      | VERY HIGH RISK<br>GT 10 PSI |        | HIGH RISK<br>EQ/GT 5 PSI LT 10PSI |       | MEDIUM RISK<br>EQ/GT 2 PSI LT 5PSI |        | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |           |
|------------|-----------------------------|--------|-----------------------------------|-------|------------------------------------|--------|-------------------------------------|-----------|
|            | POPULATION                  | AREA   | POPULATION                        | AREA  | POPULATION                         | AREA   | POPULATION                          | AREA      |
| Arkansas   | 684 065                     | 5 881  | 122 524                           | 3 100 | 126 318                            | 3 882  | 1 430 734                           | 39 219    |
|            |                             |        |                                   |       |                                    |        | ( 143 121                           | 2 924)    |
|            |                             |        |                                   |       |                                    |        | (1 287 613                          | 36 295)*  |
| Louisiana  | 2 874 344                   | 15 620 | ---                               | ---   | 241 823                            | 3 988  | 1 408 852                           | 24 912    |
|            |                             |        |                                   |       |                                    |        | ( 521 728                           | 8 284)    |
|            |                             |        |                                   |       |                                    |        | ( 887 124                           | 16 628)*  |
| New Mexico | 1 096 156                   | 40 531 | ---                               | ---   | 17 008                             | 2 453  | 347 619                             | 78 352    |
|            |                             |        |                                   |       |                                    |        | ( 159 355                           | 17 476)   |
|            |                             |        |                                   |       |                                    |        | ( 188 264                           | 60 876)*  |
| Oklahoma   | 2 162 942                   | 17 312 | 72 149                            | 930   | 186 705                            | 7 887  | 943 123                             | 42 527    |
|            |                             |        |                                   |       |                                    |        | ( 487 142                           | 20 080)   |
|            |                             |        |                                   |       |                                    |        | ( 455 981                           | 22 447)*  |
| Texas      | 11 956 816                  | 45 954 | 43 175                            | 1 098 | 1 081 754                          | 19 826 | 3 344 255                           | 195 111   |
|            |                             |        |                                   |       |                                    |        | (1 536 202                          | 49 915)   |
|            |                             |        |                                   |       |                                    |        | (1 808 053                          | 145 196)* |

|                 |            |         |         |       |           |        |            |           |
|-----------------|------------|---------|---------|-------|-----------|--------|------------|-----------|
| TOTAL REGION VI | 18 774 323 | 125 298 | 237 848 | 5 128 | 1 653 608 | 38 036 | 7 474 583  | 380 121   |
|                 |            |         |         |       |           |        | (2 847 548 | 98 679)   |
|                 |            |         |         |       |           |        | (4 627 035 | 281 442)* |

\*Less than .5 psi overpressure



S T A T E O F A R K A N S A S - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 2,363,641  
Land Area: 52,082 square miles

| COUNTY     | VERY HIGH RISK          |       | HIGH RISK                   |       | MEDIUM RISK                 |       | LOW/NO* RISK                 |        |
|------------|-------------------------|-------|-----------------------------|-------|-----------------------------|-------|------------------------------|--------|
|            | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT<br>POPULATION | AREA  | EQ/GT 2PSI LT<br>POPULATION | AREA  | EQ/GT .5PSI LT<br>POPULATION | AREA   |
| Arkansas   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 24 025                       | 1 006* |
| Ashley     | .....                   | ..... | .....                       | ..... | .....                       | ..... | 26 615                       | 934*   |
| Baxter     | .....                   | ..... | .....                       | ..... | .....                       | ..... | 30 117                       | 546*   |
| Benton     | .....                   | ..... | .....                       | ..... | .....                       | ..... | 86 071                       | 844*   |
| Boone      | .....                   | ..... | .....                       | ..... | .....                       | ..... | 28 115                       | 584*   |
| Bradley    | .....                   | ..... | .....                       | ..... | .....                       | ..... | 13 434                       | 654*   |
| Calhoun    | .....                   | ..... | .....                       | 6 162 | .....                       | 629   | 17 597                       | 634*   |
| Carroll    | .....                   | ..... | .....                       | ..... | .....                       | ..... | 18 017                       | 649*   |
| Chicot     | .....                   | ..... | .....                       | ..... | .....                       | ..... | 23 166                       | 867*   |
| Clark      | .....                   | ..... | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Clay       | .....                   | ..... | .....                       | ..... | 19 819                      | 641   | 19 153                       | 551*   |
| Cleburne   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 8 119                        | 599    |
| Cleveland  | .....                   | ..... | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Columbia   | .....                   | ..... | 27 495                      | 767   | .....                       | ..... | .....                        | .....  |
| Conway     | .....                   | ..... | .....                       | ..... | .....                       | ..... | 19 479                       | 558*   |
| Craighead  | .....                   | ..... | .....                       | ..... | .....                       | ..... | 63 470                       | 713*   |
| Crawford   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 40 173                       | 593*   |
| Crittenden | .....                   | ..... | .....                       | ..... | 50 180                      | 599   | 20 753                       | 622*   |
| Cross      | .....                   | ..... | .....                       | ..... | .....                       | ..... | 11 014                       | 668*   |
| Dallas     | .....                   | ..... | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Desha      | .....                   | ..... | .....                       | ..... | .....                       | ..... | 19 698                       | 746*   |
| Drew       | .....                   | ..... | .....                       | ..... | .....                       | ..... | 17 946                       | 831*   |
| Faulkner   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 50 628                       | 646    |
| Franklin   | .....                   | ..... | .....                       | ..... | .....                       | ..... | 15 588                       | 609*   |
| Fulton     | .....                   | ..... | .....                       | ..... | .....                       | ..... | 10 449                       | 616*   |

\*Less than .5 psi overpressure

STATE OF ARKANSAS (Continued)

| COUNTY       | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA  | LOW/NO* RISK<br>POPULATION | AREA  |
|--------------|------------------------------|-------|-------------------------|-------|---------------------------|-------|----------------------------|-------|
| Garland      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 74 774                     | 657*  |
| Grant        | .....                        | ..... | .....                   | ..... | .....                     | ..... | 13 183                     | 633*  |
| Greene       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 31 370                     | 578*  |
| Hempstead    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 23 615                     | 725*  |
| Hot Spring   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 27 264                     | 615*  |
| Howard       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 13 584                     | 574*  |
| Independence | .....                        | ..... | .....                   | ..... | .....                     | ..... | 32 517                     | 763*  |
| Izard        | .....                        | ..... | .....                   | ..... | .....                     | ..... | 11 018                     | 581*  |
| Jackson      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 21 479                     | 633*  |
| Jefferson    | 90 496                       | 882   | .....                   | ..... | .....                     | ..... | .....                      | ..... |
| Johnson      | .....                        | ..... | .....                   | ..... | 18 525                    | 676   | 10 093                     | 518*  |
| LaFayette    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 18 546                     | 589*  |
| Lawrence     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 15 391                     | 602*  |
| Lee          | .....                        | ..... | .....                   | ..... | .....                     | ..... | 13 046                     | 563*  |
| Lincoln      | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | ..... |
| Little River | .....                        | ..... | .....                   | ..... | .....                     | ..... | 14 145                     | 516*  |
| Logan        | .....                        | ..... | .....                   | ..... | 20 662                    | 717   | .....                      | ..... |
| Lonoke       | .....                        | ..... | 37 233                  | 783   | .....                     | ..... | 11 851                     | 837*  |
| Madison      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 12 601                     | 587*  |
| Marion       | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | ..... |
| Miller       | .....                        | ..... | 39 656                  | 619   | .....                     | ..... | .....                      | ..... |
| Mississippi  | 59 199                       | 897   | .....                   | ..... | .....                     | ..... | 13 383                     | 609*  |
| Monroe       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 7 782                      | 775*  |
| Montgomery   | .....                        | ..... | .....                   | ..... | 10 970                    | 620   | .....                      | ..... |
| Nevada       | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | ..... |
| Newton       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 8 207                      | 823*  |
| Ouachita     | 33 443                       | 737   | .....                   | ..... | .....                     | ..... | 7 924                      | 551*  |
| Perry        | .....                        | ..... | .....                   | ..... | .....                     | ..... | 33 653                     | 685*  |
| Phillips     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 10 051                     | 598*  |
| Pike         | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | ..... |

\*Less than .5 psi overpressure

STATE OF ARKANSAS (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Poinsett   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 25 939                     | 762*                 |
| Polk       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 17 508                     | 860*                 |
| Pope       | 42 387                       | 820                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Prairie    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 052                     | 656*                 |
| Pulaski    | 352 946                      | 767                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Randolph   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 16 315                     | 656*                 |
| St Francis | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 31 547                     | 639                  |
| Saline     | 56 244                       | 725                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Scott      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 9 906                      | 897*                 |
| Searcy     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 8 941                      | 668*                 |
| Sebastian  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 97 960                     | 535*                 |
| Sevier     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 14 471                     | 560*                 |
| Sharp      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 15 673                     | 606*                 |
| Stone      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 9 766                      | 606*                 |
| Union      | 49 350                       | 1 053                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Van Buren  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 15 337                     | 709*                 |
| Washington | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 104 872                    | 951*                 |
| White      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 52 827                     | 1 040                |
| Woodruff   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 516                     | 592*                 |
| Yell       | .....                        | .....                  | 18 140                  | 931               | .....                     | .....               | .....                      | .....                |

|             |         |       |         |       |         |       |            |          |
|-------------|---------|-------|---------|-------|---------|-------|------------|----------|
| TOTAL STATE | 684 065 | 5 881 | 122 524 | 3 100 | 126 318 | 3 882 | 1 430 734  | 39 219   |
|             |         |       |         |       |         |       | ( 143 121  | 2 924)   |
|             |         |       |         |       |         |       | (1 287 613 | 36 295)* |

\*Less than .5 psi overpressure

S T A T E O F L O U I S I A N A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 4,525,019  
Land Area: 44,520 square miles

| COUNTY           | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |       |
|------------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|-------|
|                  | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA  |
| Acadia           | 59 861         | 657   |                     |            |                    |            | 21 908              | 766   |
| Allen            |                |       |                     |            |                    |            |                     |       |
| Ascension        | 58 862         | 296   |                     |            |                    |            |                     |       |
| Assumption       |                |       |                     |            | 23 808             | 342        |                     |       |
| Avoyelles        |                |       |                     |            |                    |            | 43 773              | 846*  |
| Beauregard       |                |       |                     |            |                    |            | 32 564              | 1 163 |
| Bienville        |                |       |                     |            |                    |            | 16 855              | 815   |
| Bossier          | 90 980         | 845   |                     |            |                    |            |                     |       |
| Caddo            | 276 755        | 894   |                     |            |                    |            |                     |       |
| Calcasieu        | 176 853        | 1 081 |                     |            |                    |            |                     |       |
| Caldwell         |                |       |                     |            |                    |            | 11 466              | 541*  |
| Cameron          |                |       |                     |            | 10 180             | 1 417      |                     |       |
| Catahoula        |                |       |                     |            |                    |            | 12 760              | 732*  |
| Clabourne        | 18 483         | 765   |                     |            |                    |            | 23 966              | 717*  |
| Concordia        |                |       |                     |            |                    |            |                     |       |
| De Soto          |                |       |                     |            |                    |            | 27 693              | 880   |
| East Baton Rouge | 397 601        | 458   |                     |            |                    |            |                     |       |
| East Carrol      |                |       |                     |            |                    |            | 11 376              | 426*  |
| East Feliciana   |                |       |                     |            |                    |            | 20 727              | 455   |
| Evangeline       |                |       |                     |            |                    |            | 35 372              | 667   |
| Franklin         |                |       |                     |            |                    |            | 24 409              | 636*  |
| Grant            |                |       |                     |            |                    |            | 18 370              | 653   |
| Iberia           |                |       |                     |            |                    |            | 70 124              | 589*  |
| Iberville        | 33 300         | 637   |                     |            |                    |            |                     |       |
| Jackson          |                |       |                     |            |                    |            | 17 125              | 578*  |

\*Less than .5 psi overpressure

STATE OF LOUISIANA (Continued)

| COUNTY          | VERY HIGH RISK |       | HIGH RISK  |      | MEDIUM RISK |      | LOW/NO* RISK |        |
|-----------------|----------------|-------|------------|------|-------------|------|--------------|--------|
|                 | POPULATION     | AREA  | POPULATION | AREA | POPULATION  | AREA | POPULATION   | AREA   |
| Jefferson       | 479 824        | 347   |            |      |             |      |              |        |
| Jefferson Davis | 33 174         | 655   |            |      |             |      | 175 046      | 270    |
| LaFayette       |                |       |            |      |             |      |              |        |
| LaFourche       | 89 854         | 1 141 |            |      |             |      | 17 629       | 638*   |
| LaSalle         |                |       |            |      |             |      |              |        |
| Lincoln         |                |       |            |      | 43 102      | 472  |              |        |
| Livingston      |                |       |            |      |             |      | 71 703       | 661    |
| Madison         |                |       |            |      |             |      | 15 430       | 631*   |
| Morehouse       |                |       |            |      |             |      | 35 796       | 807*   |
| Natchitoches    |                |       |            |      |             |      | 40 047       | 1 264* |
| Orleans         | 559 384        | 199   |            |      |             |      | 143 485      | 627*   |
| Ouachita        |                |       |            |      |             |      |              |        |
| Plaquemines     | 26 882         | 1 035 |            |      |             |      |              |        |
| Pointe Coupee   | 24 933         | 566   |            |      |             |      |              |        |
| Rapides         | 139 793        | 1 341 |            |      |             |      |              |        |
| Red River       |                |       |            |      |             |      | 10 989       | 394*   |
| Richland        |                |       |            |      |             |      | 22 884       | 563*   |
| Sabine          |                |       |            |      |             |      | 27 588       | 855*   |
| St Bernard      | 68 168         | 486   |            |      |             |      |              |        |
| St Charles      | 42 789         | 286   |            |      |             |      |              |        |
| St Helena       |                |       |            |      |             |      | 10 406       | 409*   |
| St James        | 22 121         | 248   |            |      |             |      |              |        |
| St John Baptist | 41 836         | 213   |            |      |             |      |              |        |
| St Landry       | 90 161         | 936   |            |      |             |      | 47 258       | 749    |
| St Martin       |                |       |            |      |             |      |              |        |
| St Mary         |                |       |            |      |             |      | 65 424       | 613*   |
| St Tammany      |                |       |            |      | 142 182     | 873  |              |        |
| Tangipahoa      |                |       |            |      |             |      | 93 622       | 783*   |
| Tensas          |                |       |            |      |             |      | 8 292        | 623*   |
| Terrebonne      |                |       |            |      |             |      | 103 873      | 1 367* |

\*Less than .5 psi overpressure

STATE OF LOUISIANA (Continued)

| COUNTY           | VERY HIGH RISK |        | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |          |
|------------------|----------------|--------|------------|-------|-------------|-------|--------------|----------|
|                  | POPULATION     | AREA   | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA     |
| Union            | .....          | .....  | .....      | ..... | 22 551      | 884   | 54 232       | 1 205    |
| Vermilion        | .....          | .....  | .....      | ..... | .....       | ..... | .....        | .....    |
| Vernon           | 62 258         | 1 332  | .....      | ..... | .....       | ..... | 46 376       | 676*     |
| Washington       | .....          | .....  | .....      | ..... | .....       | ..... | .....        | .....    |
| Webster          | 45 935         | 602    | .....      | ..... | .....       | ..... | .....        | .....    |
| West Baton Rouge | 20 678         | 194    | .....      | ..... | .....       | ..... | 13 224       | 360*     |
| West Carroll     | .....          | .....  | .....      | ..... | .....       | ..... | .....        | .....    |
| West Feliciana   | 13 859         | 406    | .....      | ..... | .....       | ..... | 17 660       | 953*     |
| Winn             | .....          | .....  | .....      | ..... | .....       | ..... | .....        | .....    |
| TOTAL STATE      | 2 874 344      | 15 620 | ---        | ---   | 241 823     | 3 988 | 1 408 852    | 24 912   |
|                  |                |        |            |       |             |       | ( 521 728    | 8 284)   |
|                  |                |        |            |       |             |       | ( 887 124    | 16 628)* |

\*Less than .5 psi overpressure

S T A T E O F N E W M E X I C O - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 1,460,783  
Land Area: 121,336 square miles

| COUNTY     | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |      |
|------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|------|
|            | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA |
| Bernalillo | 456 640        | 1 169 | .....               | .....      | .....              | 2 781      | 6 929*              |      |
| Catron     | 60 404         | 6 066 | .....               | .....      | .....              | 13 280     | 3 762*              |      |
| Chaves     | 44 347         | 1 408 | .....               | .....      | .....              | 2 278      | 2 323*              |      |
| Colfax     | .....          | ..... | .....               | .....      | .....              | 27 992     | 3 969*              |      |
| Curry      | .....          | ..... | .....               | .....      | .....              | 4 448      | 3 032*              |      |
| DeBaca     | .....          | ..... | .....               | .....      | .....              | 946        | 2 122*              |      |
| Dona Ana   | 116 120        | 3 819 | .....               | .....      | .....              | 6 462      | 3 445*              |      |
| Eddy       | 55 403         | 4 184 | .....               | .....      | .....              | 14 173     | 4 832*              |      |
| Grant      | .....          | ..... | .....               | .....      | .....              | 19 396     | 109                 |      |
| Guadalupe  | .....          | ..... | .....               | .....      | .....              | 16 846     | 2 965*              |      |
| Harding    | .....          | ..... | .....               | .....      | .....              | 4 909      | 1 930*              |      |
| Hidalgo    | .....          | ..... | .....               | .....      | .....              | 10 634     | 2 874*              |      |
| Lea        | 68 068         | 4 390 | .....               | .....      | .....              | 32 805     | 5 856*              |      |
| Lincoln    | .....          | ..... | .....               | .....      | .....              | 35 678     | 3 707               |      |
| Los Alamos | .....          | ..... | .....               | .....      | .....              | 24 909     | 4 709               |      |
| Luna       | .....          | ..... | .....               | .....      | .....              |            |                     |      |
| McKinley   | 62 558         | 5 442 | .....               | .....      | .....              |            |                     |      |
| Mora       | 50 681         | 6 626 | .....               | .....      | .....              |            |                     |      |
| Otero      | .....          | ..... | .....               | .....      | .....              |            |                     |      |
| Quay       | .....          | ..... | .....               | .....      | .....              |            |                     |      |
| Rio Arriba | .....          | ..... | .....               | .....      | .....              |            |                     |      |
| Roosevelt  | .....          | ..... | .....               | .....      | 17 008             | 2 453      |                     |      |
| Sandoval   | .....          | ..... | .....               | .....      | .....              |            |                     |      |
| San Juan   | 99 037         | 5 522 | .....               | .....      | .....              |            |                     |      |
| San Miguel | .....          | ..... | .....               | .....      | .....              |            |                     |      |

\*Less than .5 psi overpressure

STATE OF NEW MEXICO (Continued)

| COUNTY      | VERY HIGH RISK |        | HIGH RISK  |      | MEDIUM RISK |       | LOW/NO* RISK |          |
|-------------|----------------|--------|------------|------|-------------|-------|--------------|----------|
|             | POPULATION     | AREA   | POPULATION | AREA | POPULATION  | AREA  | POPULATION   | AREA     |
| Santa Fe    | 82 898         | 1 905  |            |      |             |       | 9 058        | 4 178*   |
| Sierra      |                |        |            |      |             |       | 15 027       | 6 625*   |
| Socorro     |                |        |            |      |             |       | 21 094       | 2 204*   |
| Taos        |                |        |            |      |             |       | 8 397        | 3 335    |
| Torrance    |                |        |            |      |             |       |              |          |
| Union       |                |        |            |      |             |       | 5 531        | 3 830*   |
| Valencia    |                |        |            |      |             |       | 70 975       | 5 616    |
| TOTAL STATE | 1 096 156      | 40 531 | ---        | ---  | 17 008      | 2 453 | 347 619      | 78 352   |
|             |                |        |            |      |             |       | ( 159 355    | 17 476)  |
|             |                |        |            |      |             |       | ( 188 264    | 60 876)* |

\*Less than .5 psi overpressure



S T A T E O F O K L A H O M A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 3,364,919  
 Land Area: 68,656 square miles

| COUNTY    | VERY HIGH RISK          |       | HIGH RISK                   |               | MEDIUM RISK                 |              | LOW/NO* RISK                 |              |
|-----------|-------------------------|-------|-----------------------------|---------------|-----------------------------|--------------|------------------------------|--------------|
|           | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT<br>POPULATION | 10PSI<br>AREA | EQ/GT 2PSI LT<br>POPULATION | 5PSI<br>AREA | EQ/GT .5PSI LT<br>POPULATION | 2PSI<br>AREA |
| Adair     |                         |       |                             |               |                             |              | 20 474                       | 577*         |
| Alfalfa   |                         |       |                             |               |                             |              | 7 148                        | 864          |
| Atoka     |                         |       |                             |               |                             |              | 13 806                       | 980          |
| Beaver    |                         |       |                             |               | 7 451                       | 1 808        |                              |              |
| Beckham   |                         |       |                             |               |                             |              | 28 439                       | 904          |
| Blaine    |                         |       |                             |               |                             |              | 14 513                       | 920*         |
| Bryan     |                         |       |                             |               |                             |              | 32 184                       | 902*         |
| Caddo     | 34 998                  | 1 286 |                             |               |                             |              |                              |              |
| Canadian  | 71 951                  | 902   |                             |               |                             |              |                              |              |
| Carter    | 47 692                  | 827   |                             |               |                             |              |                              |              |
| Cherokee  |                         |       |                             |               |                             |              | 34 575                       | 748          |
| Choctaw   |                         |       |                             |               |                             |              | 16 400                       | 763*         |
| Cimarron  |                         |       |                             |               |                             |              | 4 046                        | 1 842*       |
| Cleveland | 160 572                 | 529   |                             |               |                             |              | 5 816                        | 520*         |
| Coal      |                         |       |                             |               |                             |              |                              |              |
| Comanche  | 121 146                 | 1 076 |                             |               |                             |              | 6 987                        | 656          |
| Cotton    |                         |       |                             |               |                             |              | 15 333                       | 763*         |
| Craig     |                         |       |                             |               |                             |              |                              |              |
| Creek     |                         |       | 72 149                      | 930           |                             |              |                              |              |
| Custer    |                         |       |                             |               |                             |              | 36 008                       | 981          |
| Delaware  |                         |       |                             |               |                             |              | 28 310                       | 720*         |
| Dewey     |                         |       |                             |               |                             |              | 6 721                        | 1 007*       |
| Ellis     |                         |       |                             |               |                             |              | 6 483                        | 1 232        |
| Garfield  | 66 024                  | 1 060 |                             |               |                             |              |                              |              |
| Garvin    | 31 029                  | 813   |                             |               |                             |              |                              |              |

\*Less than .5 psi overpressure

STATE OF OKLAHOMA (Continued)

| COUNTY     | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |        |
|------------|----------------|-------|------------|-------|-------------|-------|--------------|--------|
|            | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA   |
| Grady      | .....          | ..... | .....      | ..... | 46 202      | 1 106 | 6 713        | 1 004  |
| Grant      | .....          | ..... | .....      | ..... | .....       | ..... | 7 290        | 638    |
| Greer      | .....          | ..... | .....      | ..... | .....       | ..... | 4 422        | 537*   |
| Harmon     | .....          | ..... | .....      | ..... | .....       | ..... | 4 839        | 1 039  |
| Harper     | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Haskell    | .....          | ..... | .....      | ..... | .....       | ..... | 11 927       | 570*   |
| Hughes     | .....          | ..... | .....      | ..... | .....       | ..... | 15 085       | 805    |
| Jackson    | 30 803         | 817   | .....      | ..... | .....       | ..... | 8 759        | 769    |
| Jefferson  | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Johnston   | .....          | ..... | .....      | ..... | 10 912      | 639   | .....        | .....  |
| Kay        | .....          | ..... | .....      | ..... | 53 759      | 921   | 16 877       | 906*   |
| Kingfisher | .....          | ..... | .....      | ..... | .....       | ..... | 12 812       | 1 019  |
| Kiowa      | .....          | ..... | .....      | ..... | .....       | ..... | 10 152       | 728*   |
| Latimer    | .....          | ..... | .....      | ..... | .....       | ..... | 43 438       | 1 585* |
| Le Flore   | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Lincoln    | 30 539         | 964   | .....      | ..... | .....       | ..... | 31 357       | 748    |
| Logan      | .....          | ..... | .....      | ..... | .....       | ..... | 8 154        | 519    |
| Love       | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| McClain    | .....          | ..... | .....      | ..... | 25 247      | 581   | 35 933       | 1 826* |
| McCurtain  | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| McIntosh   | .....          | ..... | .....      | ..... | .....       | ..... | 17 305       | 599    |
| Major      | .....          | ..... | .....      | ..... | .....       | ..... | 9 516        | 958    |
| Marshall   | .....          | ..... | .....      | ..... | 11 460      | 372   | .....        | .....  |
| Mayes      | .....          | ..... | .....      | ..... | .....       | ..... | 35 187       | 644*   |
| Murray     | .....          | ..... | .....      | ..... | 13 473      | 420   | .....        | .....  |
| Muskogee   | 70 748         | 815   | .....      | ..... | .....       | ..... | 12 129       | 736*   |
| Noble      | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Nowata     | 11 552         | 541   | .....      | ..... | .....       | ..... | .....        | .....  |
| Okfuskee   | .....          | ..... | .....      | ..... | .....       | ..... | 12 082       | 628    |
| Oklahoma   | 635 696        | 708   | .....      | ..... | .....       | ..... | .....        | .....  |

\*Less than .5 psi overpressure

STATE OF OKLAHOMA (Continued)

| COUNTY       | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|--------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Okmulgee     | 40 403                       | 698                    |                         |                   |                           |                     | 42 658                     | 2 264*               |
| Osage        |                              |                        |                         |                   |                           |                     | 33 882                     | 465                  |
| Ottawa       |                              |                        |                         |                   |                           |                     | 17 176                     | 551                  |
| Pawnee       |                              |                        |                         |                   |                           |                     |                            |                      |
| Payne        | 65 992                       | 691                    |                         |                   |                           |                     |                            |                      |
| Pittsburg    |                              |                        |                         |                   |                           |                     | 43 109                     | 1 251*               |
| Pontotoc     |                              |                        |                         |                   |                           |                     | 34 762                     | 717                  |
| Pottawatomie |                              |                        |                         |                   |                           |                     | 62 945                     | 783                  |
| Pushmataha   |                              |                        |                         |                   |                           |                     | 11 880                     | 1 417*               |
| Roger Mills  |                              |                        |                         |                   |                           |                     | 6 385                      | 1 146                |
| Rogers       | 56 007                       | 683                    |                         |                   |                           |                     |                            |                      |
| Seminole     | 29 055                       | 639                    |                         |                   |                           |                     | 33 645                     | 678*                 |
| Sequoyah     |                              |                        |                         |                   |                           |                     |                            |                      |
| Stephens     | 46 259                       | 885                    |                         |                   | 18 201                    | 2 040               |                            |                      |
| Texas        |                              |                        |                         |                   |                           |                     |                            |                      |
| Tillman      |                              |                        |                         |                   |                           |                     | 11 650                     | 904                  |
| Tulsa        | 519 654                      | 571                    |                         |                   |                           |                     |                            |                      |
| Wagoner      | 52 032                       | 559                    |                         |                   |                           |                     | 52 984                     | 423                  |
| Washington   |                              |                        |                         |                   |                           |                     |                            |                      |
| Washita      | 17 419                       | 1 006                  |                         |                   |                           |                     |                            |                      |
| Woods        |                              |                        |                         |                   |                           |                     | 10 827                     | 1 291*               |
| Woodward     | 23 371                       | 1 242                  |                         |                   |                           |                     |                            |                      |
| TOTAL STATE  | 2 162 942                    | 17 312                 | 72 149                  | 930               | 186 705                   | 7 887               | 943 123                    | 42 527               |
|              |                              |                        |                         |                   |                           |                     | ( 487 142                  | 20 080)              |
|              |                              |                        |                         |                   |                           |                     | ( 455 981                  | 22 447)*             |

\*Less than .5 psi overpressure

S T A T E O F T E X A S - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 16,426,000  
Land Area: 261,989 square miles

| COUNTY    | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |       |
|-----------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|-------|
|           | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA  |
| Anderson  | .....          | ..... | .....               | .....      | .....              | 47 651     | 1 077*              | ..... |
| Andrews   | .....          | ..... | .....               | .....      | .....              | 16 609     | 1 501*              | ..... |
| Angelina  | .....          | ..... | .....               | .....      | .....              | 69 361     | 807*                | ..... |
| Aransas   | .....          | ..... | .....               | .....      | .....              | 17 801     | 280                 | ..... |
| Archer    | .....          | ..... | .....               | .....      | .....              | 8 179      | 907                 | ..... |
| Armstrong | .....          | ..... | .....               | 1 937      | 910                | .....      | .....               | ..... |
| Atascosa  | .....          | ..... | .....               | .....      | .....              | 28 715     | 1 218               | ..... |
| Austin    | .....          | ..... | .....               | .....      | .....              | 21 150     | 656                 | ..... |
| Bailey    | .....          | ..... | .....               | .....      | .....              | 8 227      | 827                 | ..... |
| Bandera   | .....          | ..... | .....               | .....      | .....              | 8 732      | 793*                | ..... |
| Bastrop   | .....          | ..... | .....               | 32 710     | 895                | .....      | .....               | ..... |
| Baylor    | .....          | ..... | .....               | .....      | .....              | 5 126      | 862*                | ..... |
| Bee       | 29 378         | 880   | .....               | .....      | .....              | .....      | .....               | ..... |
| Bell      | 169 465        | 1 055 | .....               | .....      | .....              | .....      | .....               | ..... |
| Bexar     | 1 117 869      | 1 248 | .....               | .....      | .....              | .....      | .....               | ..... |
| Blanco    | .....          | ..... | .....               | .....      | .....              | 5 508      | 714*                | ..... |
| Borden    | .....          | ..... | .....               | .....      | .....              | 1 003      | 900*                | ..... |
| Bosque    | .....          | ..... | .....               | .....      | .....              | 14 289     | 989                 | ..... |
| Bowie     | 80 151         | 891   | .....               | .....      | .....              | .....      | .....               | ..... |
| Brazoria  | 190 191        | 1 407 | .....               | .....      | .....              | .....      | .....               | ..... |
| Brazos    | .....          | ..... | .....               | .....      | .....              | 123 285    | 588                 | ..... |
| Brewster  | .....          | ..... | .....               | .....      | .....              | 8 213      | 6 169*              | ..... |
| Briscoe   | .....          | ..... | .....               | .....      | .....              | 2 266      | 887*                | ..... |
| Brooks    | .....          | ..... | .....               | .....      | .....              | 9 279      | 942*                | ..... |
| Brown     | .....          | ..... | .....               | .....      | .....              | 36 336     | 936*                | ..... |

\*Less than .5 psi overpressure

STATE OF TEXAS (Continued)

| COUNTY        | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA  | LOW/NO* RISK<br>POPULATION | AREA   |
|---------------|------------------------------|-------|-------------------------|-------|---------------------------|-------|----------------------------|--------|
| Burleson      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 15 837                     | 668    |
| Burnet        | .....                        | ..... | .....                   | ..... | .....                     | ..... | 22 587                     | 994    |
| Caldwell      | 27 133                       | 546   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Calhoun       | 22 997                       | 540   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Callahan      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 13 009                     | 899    |
| Cameron       | 248 893                      | 905   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Camp          | .....                        | ..... | 10 465                  | 203   | .....                     | ..... | .....                      | .....  |
| Carson        | 7 188                        | 924   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Cass          | .....                        | ..... | .....                   | ..... | .....                     | ..... | 30 977                     | 937    |
| Castro        | .....                        | ..... | .....                   | ..... | .....                     | ..... | 10 177                     | 899*   |
| Chambers      | 20 132                       | 616   | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Cherokee      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 39 769                     | 1 052  |
| Childress     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 6 452                      | 707*   |
| Clay          | .....                        | ..... | .....                   | ..... | 9 871                     | 1 085 | .....                      | .....  |
| Cochran       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 4 732                      | 775*   |
| Coke          | .....                        | ..... | .....                   | ..... | .....                     | ..... | 3 706                      | 908*   |
| Coleman       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 10 468                     | 1 277* |
| Collin        | .....                        | ..... | .....                   | ..... | 187 101                   | 851   | .....                      | .....  |
| Collingsworth | .....                        | ..... | .....                   | ..... | .....                     | ..... | 4 072                      | 909*   |
| Colorado      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 20 306                     | 964*   |
| Comal         | .....                        | ..... | .....                   | ..... | 44 827                    | 555   | .....                      | .....  |
| Comanche      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 13 217                     | 930*   |
| Concho        | .....                        | ..... | .....                   | ..... | .....                     | ..... | 2 977                      | 992*   |
| Cooke         | .....                        | ..... | .....                   | ..... | .....                     | ..... | 29 097                     | 893*   |
| Coryell       | 58 932                       | 1 057 | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Cottle        | .....                        | ..... | .....                   | ..... | .....                     | ..... | 2 633                      | 895*   |
| Crane         | .....                        | ..... | .....                   | ..... | .....                     | ..... | 5 350                      | 782    |
| Crockett      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 5 035                      | 2 806* |
| Crosby        | .....                        | ..... | .....                   | ..... | .....                     | ..... | 8 432                      | 898    |
| Culberson     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 3 509                      | 3 815* |

\*Less than .5 psi overpressure

STATE OF TEXAS (Continued)

| COUNTY     | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |        |
|------------|----------------|-------|------------|-------|-------------|-------|--------------|--------|
|            | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA   |
| Dallam     | .....          | ..... | .....      | ..... | .....       | ..... | 6 796        | 1 505* |
| Dallas     | 1 765 074      | 880   | .....      | ..... | .....       | ..... | 17 059       | 903*   |
| Dawson     | .....          | ..... | .....      | ..... | .....       | ..... | 20 205       | 1 497* |
| Deaf Smith | .....          | ..... | .....      | ..... | .....       | ..... | 4 944        | 279*   |
| Delta      | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Denton     | .....          | ..... | .....      | ..... | 174 001     | 911   | 20 656       | 910    |
| De Witt    | .....          | ..... | .....      | ..... | .....       | ..... | 3 090        | 907*   |
| Dickens    | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Dimmit     | 12 065         | 1 307 | .....      | ..... | .....       | ..... | 4 208        | 929*   |
| Donley     | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Duval      | .....          | ..... | .....      | ..... | .....       | ..... | 13 548       | 1 795* |
| Eastland   | .....          | ..... | .....      | ..... | .....       | ..... | 21 466       | 924*   |
| Ector      | 151 738        | 903   | .....      | ..... | .....       | ..... | 2 168        | 2 102* |
| Edwards    | .....          | ..... | .....      | ..... | .....       | ..... | 69 192       | 939    |
| Ellis      | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| El Paso    | 538 075        | 1 014 | .....      | ..... | .....       | ..... | 24 905       | 1 080* |
| Erath      | .....          | ..... | .....      | ..... | .....       | ..... | 18 274       | 770    |
| Falls      | .....          | ..... | .....      | ..... | .....       | ..... | 24 681       | 895    |
| Fannin     | .....          | ..... | .....      | ..... | .....       | ..... | 20 407       | 950    |
| Fayette    | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Fisher     | .....          | ..... | .....      | ..... | .....       | ..... | 5 741        | 897*   |
| Floyd      | .....          | ..... | .....      | ..... | .....       | ..... | 8 802        | 992*   |
| Foard      | .....          | ..... | .....      | ..... | .....       | ..... | 1 849        | 703*   |
| Fort Bend  | 191 398        | 876   | .....      | ..... | .....       | ..... | 7 415        | 294    |
| Franklin   | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Freestone  | .....          | ..... | .....      | ..... | .....       | ..... | 17 218       | 888*   |
| Frio       | .....          | ..... | .....      | ..... | .....       | ..... | 14 644       | 1 133* |
| Gaines     | .....          | ..... | .....      | ..... | .....       | ..... | 14 581       | 1 504* |
| Galveston  | 220 241        | 399   | .....      | ..... | .....       | ..... | 5 720        | 895*   |
| Garza      | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |

\*Less than .5 psi overpressure

STATE OF TEXAS (Continued)

| COUNTY    | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |        |
|-----------|----------------|-------|------------|-------|-------------|-------|--------------|--------|
|           | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA   |
| Gillespie | .....          | ..... | .....      | ..... | .....       | ..... | 15 622       | 1 061* |
| Glasscock | .....          | ..... | .....      | ..... | .....       | ..... | 1 251        | 900*   |
| Goliad    | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Gonzales  | 19 081         | 1 068 | .....      | ..... | 5 897       | 859   | .....        | .....  |
| Gray      | .....          | ..... | .....      | ..... | 27 503      | 921   | .....        | .....  |
| Grayson   | .....          | ..... | .....      | ..... | .....       | ..... | 95 891       | 934*   |
| Gregg     | 114 058        | 273   | .....      | ..... | .....       | ..... | .....        | .....  |
| Grimes    | .....          | ..... | .....      | ..... | .....       | ..... | 17 968       | 799*   |
| Guadalupe | .....          | ..... | .....      | ..... | 54 862      | 713   | .....        | .....  |
| Hale      | .....          | ..... | .....      | ..... | .....       | ..... | 37 243       | 1 005  |
| Hall      | .....          | ..... | .....      | ..... | .....       | ..... | 4 963        | 876*   |
| Hamilton  | .....          | ..... | .....      | ..... | .....       | ..... | 8 136        | 836*   |
| Hansford  | .....          | ..... | .....      | ..... | .....       | ..... | 6 590        | 921*   |
| Hardeman  | .....          | ..... | .....      | ..... | .....       | ..... | 6 589        | 688*   |
| Hardin    | 44 075         | 898   | .....      | ..... | .....       | ..... | .....        | .....  |
| Harris    | 2 831 639      | 1 734 | .....      | ..... | .....       | ..... | .....        | .....  |
| Harrison  | 58 471         | 908   | .....      | ..... | .....       | ..... | .....        | .....  |
| Hartley   | .....          | ..... | .....      | ..... | .....       | ..... | 3 633        | 1 462* |
| Haskell   | .....          | ..... | .....      | ..... | .....       | ..... | 7 515        | 901*   |
| Hays      | .....          | ..... | .....      | ..... | .....       | ..... | 51 765       | 678    |
| Hemphill  | .....          | ..... | .....      | ..... | .....       | ..... | 6 418        | 903*   |
| Henderson | .....          | ..... | .....      | ..... | .....       | ..... | 52 080       | 888*   |
| Hidalgo   | 350 518        | 1 569 | .....      | ..... | .....       | ..... | .....        | .....  |
| Hill      | .....          | ..... | .....      | ..... | .....       | ..... | 27 335       | 968*   |
| Hockley   | .....          | ..... | .....      | ..... | 24 809      | 908   | .....        | .....  |
| Hood      | .....          | ..... | .....      | ..... | .....       | ..... | 25 815       | 425*   |
| Hopkins   | .....          | ..... | .....      | ..... | .....       | ..... | 28 369       | 789    |
| Houston   | .....          | ..... | .....      | ..... | .....       | ..... | 23 673       | 1 234* |
| Howard    | .....          | ..... | .....      | ..... | .....       | ..... | 38 311       | 901*   |
| Hudspeth  | .....          | ..... | .....      | ..... | .....       | ..... | 2 620        | 4 566* |

\*Less than .5 psi overpressure

STATE OF TEXAS (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Hunt       | 65 278                       | 840                    |                         |                   |                           |                     | 1 800                      | 1 052*               |
| Hutchinson | 30 287                       | 871                    |                         |                   |                           |                     | 7 639                      | 920                  |
| Irion      |                              |                        |                         |                   |                           |                     |                            |                      |
| Jack       |                              |                        |                         |                   |                           |                     |                            |                      |
| Jackson    |                              |                        |                         |                   | 13 946                    | 844                 |                            |                      |
| Jasper     |                              |                        |                         |                   | 32 469                    | 921                 | 1 770                      | 2 258*               |
| Jeff Davis |                              |                        |                         |                   |                           |                     |                            |                      |
| Jefferson  | 260 403                      | 937                    |                         |                   |                           |                     | 5 464                      | 1 136*               |
| Jim Hogg   |                              |                        |                         |                   |                           |                     | 40 710                     | 867                  |
| Jim Wells  |                              |                        |                         |                   |                           |                     |                            |                      |
| Johnson    |                              |                        |                         |                   |                           |                     | 85 375                     | 731                  |
| Jones      |                              |                        |                         |                   |                           |                     | 18 960                     | 931                  |
| Karnes     |                              |                        |                         |                   | 13 498                    | 753                 | 49 484                     | 788                  |
| Kaufman    |                              |                        |                         |                   |                           |                     | 13 788                     | 663*                 |
| Kendall    |                              |                        |                         |                   |                           |                     |                            |                      |
| Kenedy     |                              |                        |                         |                   |                           |                     | 485                        | 1 389*               |
| Kent       |                              |                        |                         |                   |                           |                     | 1 100                      | 878*                 |
| Kerr       |                              |                        |                         |                   |                           |                     | 33 638                     | 1 107*               |
| Kimble     |                              |                        |                         |                   |                           |                     | 4 297                      | 1 250*               |
| King       |                              |                        |                         |                   |                           |                     | 430                        | 914*                 |
| Kinney     |                              |                        |                         |                   |                           |                     | 2 407                      | 1 359                |
| Kleberg    | 34 983                       | 853                    |                         |                   |                           |                     | 5 583                      | 845*                 |
| Knox       |                              |                        |                         |                   |                           |                     | 44 953                     | 919*                 |
| Lamar      |                              |                        |                         |                   |                           |                     | 17 077                     | 1 013                |
| Lamb       |                              |                        |                         |                   |                           |                     |                            |                      |
| Lampasas   |                              |                        |                         |                   |                           |                     | 13 753                     | 714                  |
| La Salle   |                              |                        |                         |                   |                           |                     | 5 960                      | 1 517*               |
| Lavaca     |                              |                        |                         |                   |                           |                     | 18 238                     | 971                  |
| Lee        |                              |                        |                         |                   |                           |                     | 14 220                     | 631*                 |
| Leon       |                              |                        |                         |                   |                           |                     | 11 710                     | 1 078*               |

\*Less than .5 psi overpressure



STATE OF TEXAS (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|-------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Liberty     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 55 859                     | 1 174                |
| Limestone   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 21 699                     | 931*                 |
| Lipscomb    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 310                      | 933*                 |
| Live Oak    | 9 872                        | 1 057                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Llano       | .....                        | .....                  | .....                   | .....             | 12 072                    | 939                 | .....                      | .....                |
| Loving      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 75                         | 671*                 |
| Lubbock     | 220 637                      | 900                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Lynn        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 7 834                      | 888                  |
| McCulloch   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 8 849                      | 1 071*               |
| McLennan    | 184 912                      | 1 031                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| McMullen    | .....                        | .....                  | .....                   | .....             | 934                       | 1 163               | .....                      | .....                |
| Madison     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 12 236                     | 473*                 |
| Marion      | .....                        | .....                  | .....                   | .....             | 10 734                    | 385                 | .....                      | .....                |
| Martin      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 451                      | 914*                 |
| Mason       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 3 526                      | 934*                 |
| Matagorda   | .....                        | .....                  | .....                   | .....             | 37 618                    | 1 127               | .....                      | .....                |
| Maverick    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 36 420                     | 1 287                |
| Medina      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 25 049                     | 1 331                |
| Menard      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 2 408                      | 902*                 |
| Midland     | .....                        | .....                  | .....                   | .....             | 121 309                   | 902                 | .....                      | .....                |
| Milam       | .....                        | .....                  | .....                   | .....             | 23 556                    | 1 019               | .....                      | .....                |
| Mills       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 590                      | 748*                 |
| Mitchell    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 9 286                      | 912*                 |
| Montague    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 18 758                     | 928*                 |
| Montgomery  | .....                        | .....                  | .....                   | .....             | 168 161                   | 1 047               | .....                      | .....                |
| Moore       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 17 728                     | 905                  |
| Morris      | 15 523                       | 256                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Motley      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 1 820                      | 959*                 |
| Nacogdoches | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 51 584                     | 939*                 |
| Navarro     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 39 336                     | 1 068*               |

\*Less than .5 psi overpressure

STATE OF TEXAS (Continued)

| COUNTY        | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |        |
|---------------|----------------|-------|------------|-------|-------------|-------|--------------|--------|
|               | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA   |
| Newton        | .....          | ..... | .....      | ..... | .....       | ..... | 13 436       | 935    |
| Nolan         | .....          | ..... | .....      | ..... | .....       | ..... | 18 011       | 915    |
| Nueces        | 305 867        | 847   | .....      | ..... | .....       | ..... | .....        | .....  |
| Ochiltree     | .....          | ..... | .....      | ..... | .....       | ..... | 11 484       | 919*   |
| Oldham        | .....          | ..... | .....      | ..... | .....       | ..... | 2 436        | 1 485  |
| Orange        | 91 432         | 362   | .....      | ..... | .....       | ..... | .....        | .....  |
| Palo Pinto    | .....          | ..... | .....      | ..... | .....       | ..... | 26 766       | 949    |
| Panola        | 23 148         | 812   | .....      | ..... | .....       | ..... | .....        | .....  |
| Parker        | .....          | ..... | .....      | ..... | .....       | ..... | 54 135       | 902    |
| Parmer        | .....          | ..... | .....      | ..... | .....       | ..... | 10 776       | 885    |
| Pecos         | .....          | ..... | .....      | ..... | .....       | ..... | 17 658       | 4 776* |
| Polk          | .....          | ..... | .....      | ..... | .....       | ..... | 30 680       | 1 061* |
| Potter        | 108 666        | 902   | .....      | ..... | .....       | ..... | .....        | .....  |
| Presidio      | .....          | ..... | .....      | ..... | .....       | ..... | 5 405        | 3 857* |
| Rains         | .....          | ..... | .....      | ..... | .....       | ..... | 5 979        | 243    |
| Randall       | .....          | ..... | .....      | ..... | 85 692      | 917   | .....        | .....  |
| Reagan        | .....          | ..... | .....      | ..... | .....       | ..... | 5 065        | 1 173* |
| Real          | .....          | ..... | .....      | ..... | .....       | ..... | 2 784        | 697*   |
| Red River     | .....          | ..... | .....      | ..... | .....       | ..... | 15 696       | 1 054* |
| Reeves        | .....          | ..... | .....      | ..... | .....       | ..... | 15 924       | 2 626* |
| Refugio       | .....          | ..... | .....      | ..... | .....       | ..... | 9 225        | 771    |
| Roberts       | .....          | ..... | .....      | ..... | .....       | ..... | 1 062        | 915*   |
| Robertson     | 16 266         | 864   | .....      | ..... | .....       | ..... | .....        | .....  |
| Rockwall      | .....          | ..... | .....      | ..... | .....       | ..... | 20 181       | 128    |
| Runnels       | .....          | ..... | .....      | ..... | .....       | ..... | 12 504       | 1 056  |
| Rusk          | 44 629         | 932   | .....      | ..... | .....       | ..... | .....        | .....  |
| Sabine        | .....          | ..... | .....      | ..... | .....       | ..... | 9 975        | 486*   |
| San Augustine | .....          | ..... | .....      | ..... | .....       | ..... | 8 887        | 524*   |
| San Jacinto   | .....          | ..... | .....      | ..... | .....       | ..... | 14 075       | 572*   |
| San Patricio  | 64 171         | 693   | .....      | ..... | .....       | ..... | .....        | .....  |

\*Less than .5 psi overpressure

STATE OF TEXAS (Continued)

| COUNTY       | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |        |
|--------------|----------------|-------|------------|-------|-------------|-------|--------------|--------|
|              | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA   |
| San Saba     | .....          | ..... | .....      | ..... | .....       | ..... | 6 003        | 1 136* |
| Schleicher   | .....          | ..... | .....      | ..... | .....       | ..... | 3 314        | 1 309* |
| Scurry       | .....          | ..... | .....      | ..... | .....       | ..... | 20 589       | 900*   |
| Shackelford  | .....          | ..... | .....      | ..... | .....       | ..... | 4 096        | 915*   |
| Shelby       | .....          | ..... | .....      | ..... | .....       | ..... | 24 040       | 791*   |
| Sherman      | .....          | ..... | .....      | ..... | .....       | ..... | 3 235        | 923*   |
| Smith        | 148 646        | 932   | .....      | ..... | .....       | ..... | .....        | .....  |
| Somervell    | .....          | ..... | .....      | ..... | .....       | ..... | 4 528        | 188*   |
| Starr        | .....          | ..... | .....      | ..... | .....       | ..... | 33 795       | 1 226* |
| Stephens     | .....          | ..... | .....      | ..... | .....       | ..... | 10 829       | 894    |
| Sterling     | .....          | ..... | .....      | ..... | .....       | ..... | 1 641        | 923*   |
| Stonewall    | .....          | ..... | .....      | ..... | .....       | ..... | 2 466        | 925*   |
| Sutton       | .....          | ..... | .....      | ..... | .....       | ..... | 5 948        | 1 455* |
| Swisher      | .....          | ..... | .....      | ..... | .....       | ..... | 8 860        | 902*   |
| Tarrant      | 1 047 540      | 868   | .....      | ..... | .....       | ..... | .....        | .....  |
| Taylor       | 126 136        | 917   | .....      | ..... | .....       | ..... | 1 465        | 2 357* |
| Terrell      | .....          | ..... | .....      | ..... | .....       | ..... | 15 475       | 886*   |
| Terry        | .....          | ..... | .....      | ..... | .....       | ..... | 2 384        | 912*   |
| Throckmorton | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Titus        | 23 389         | 412   | .....      | ..... | .....       | ..... | .....        | .....  |
| Tom Green    | 98 791         | 1 515 | .....      | ..... | .....       | ..... | .....        | .....  |
| Travis       | 518 971        | 989   | .....      | ..... | .....       | ..... | .....        | .....  |
| Trinity      | .....          | ..... | .....      | ..... | .....       | ..... | 11 631       | 692*   |
| Tyler        | .....          | ..... | .....      | ..... | .....       | ..... | 18 854       | 922*   |
| Upshur       | .....          | ..... | .....      | ..... | .....       | ..... | 33 233       | 587    |
| Upton        | .....          | ..... | .....      | ..... | .....       | ..... | 5 783        | 1 243  |
| Uvalde       | .....          | ..... | .....      | ..... | .....       | ..... | 24 016       | 1 564  |
| Val Verde    | 41 253         | 3 150 | .....      | ..... | .....       | ..... | .....        | .....  |
| Van Zandt    | .....          | ..... | .....      | ..... | .....       | ..... | 37 028       | 855    |
| Victoria     | .....          | ..... | .....      | ..... | .....       | ..... | 75 901       | 887    |

\*Less than .5 psi overpressure

STATE OF TEXAS (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | AREA   | HIGH RISK<br>POPULATION | AREA   | MEDIUM RISK<br>POPULATION | AREA   | LOW/NO* RISK<br>POPULATION | AREA      |
|-------------|------------------------------|--------|-------------------------|--------|---------------------------|--------|----------------------------|-----------|
| Walker      | .....                        | .....  | .....                   | .....  | .....                     | .....  | 52 221                     | 786*      |
| Waller      | .....                        | .....  | .....                   | .....  | .....                     | .....  | 24 262                     | 514*      |
| Ward        | .....                        | .....  | .....                   | .....  | .....                     | .....  | 16 495                     | 836*      |
| Washington  | .....                        | .....  | .....                   | .....  | .....                     | .....  | 25 426                     | 610*      |
| Webb        | .....                        | .....  | .....                   | .....  | .....                     | .....  | 122 888                    | 3 363*    |
| Wharton     | .....                        | .....  | .....                   | .....  | .....                     | .....  | 41 409                     | 1 086     |
| Wheeler     | .....                        | .....  | .....                   | .....  | .....                     | .....  | 8 502                      | 905*      |
| Witchita    | 127 426                      | 606    | .....                   | .....  | .....                     | .....  | .....                      | .....     |
| Wilbarger   | .....                        | .....  | .....                   | .....  | .....                     | .....  | 16 904                     | 947*      |
| Willacy     | .....                        | .....  | .....                   | .....  | .....                     | .....  | 18 857                     | 589       |
| Williamson  | .....                        | .....  | .....                   | .....  | .....                     | .....  | 101 812                    | 1 137     |
| Wilson      | .....                        | .....  | .....                   | 18 710 | 807                       | .....  | .....                      | .....     |
| Winkler     | .....                        | .....  | .....                   | .....  | .....                     | .....  | 11 236                     | 840*      |
| Wise        | 31 679                       | 902    | .....                   | .....  | .....                     | .....  | .....                      | .....     |
| Wood        | 27 986                       | 689    | .....                   | .....  | .....                     | .....  | .....                      | .....     |
| Yoakum      | .....                        | .....  | .....                   | .....  | .....                     | .....  | 9 654                      | 800*      |
| Young       | 20 063                       | 919    | .....                   | .....  | .....                     | .....  | .....                      | .....     |
| Zapata      | .....                        | .....  | .....                   | .....  | .....                     | .....  | 8 344                      | 999*      |
| Zavala      | .....                        | .....  | .....                   | 12 247 | 1 289                     | .....  | .....                      | .....     |
| TOTAL STATE | 11 956 816                   | 45 954 | 43 175                  | 1 098  | 1 081 754                 | 19 826 | 3 344 255                  | 195 111   |
|             |                              |        |                         |        |                           |        | (1 536 202                 | 49 915)   |
|             |                              |        |                         |        |                           |        | (1 808 053                 | 145 196)* |

\*Less than .5 psi overpressure

F E M A R E G I O N V I I - - D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 11,925,241  
 Land Area: 282,971 square miles

| STATE            | VERY HIGH RISK<br>GT 10 PSI |        | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |       | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |        | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |           |
|------------------|-----------------------------|--------|----------------------------------|-------|-----------------------------------|--------|-------------------------------------|-----------|
|                  | POPULATION                  | AREA   | POPULATION                       | AREA  | POPULATION                        | AREA   | POPULATION                          | AREA      |
| Iowa             | 960 992                     | 5 919  | ---                              | ---   | 88 306                            | 953    | 1 857 641                           | 49 092    |
|                  |                             |        |                                  |       |                                   |        | ( 312 608                           | 7 716)    |
|                  |                             |        |                                  |       |                                   |        | (1 545 033                          | 41 376)*  |
| Kansas           | 1 241 903                   | 14 109 | 311 640                          | 2 946 | 74 253                            | 3 488  | 827 137                             | 61 249    |
|                  |                             |        |                                  |       |                                   |        | ( 363 362                           | 17 582)   |
|                  |                             |        |                                  |       |                                   |        | ( 463 775                           | 43 667)*  |
| Missouri         | 3 023 895                   | 14 553 | 56 232                           | 1 140 | 340 392                           | 3 831  | 1 548 038                           | 49 052    |
|                  |                             |        |                                  |       |                                   |        | ( 298 582                           | 10 821)   |
|                  |                             |        |                                  |       |                                   |        | (1 249 456                          | 38 231)*  |
| Nebraska         | 420 964                     | 7 770  | 11 353                           | 2 158 | 448 230                           | 2 078  | 734 264                             | 64 633    |
|                  |                             |        |                                  |       |                                   |        | ( 79 485                            | 5 168)    |
|                  |                             |        |                                  |       |                                   |        | ( 654 779                           | 59 465)*  |
| TOTAL REGION VII | 5 647 754                   | 42 351 | 379 225                          | 6 244 | 951 181                           | 10 350 | 4 967 080                           | 224 026   |
|                  |                             |        |                                  |       |                                   |        | (1 054 037                          | 41 287)   |
|                  |                             |        |                                  |       |                                   |        | (3 913 043                          | 182 739)* |

\*Less than .5 psi overpressure

S T A T E O F I O W A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 2,906,939  
 Land Area: 55,964 square miles

| COUNTY      | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |      |
|-------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|------|
|             | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA |
| Adair       | .....          | ..... | .....               | .....      | .....              | 9 171      | 569*                |      |
| Adams       | .....          | ..... | .....               | .....      | .....              | 5 535      | 425*                |      |
| Allamakee   | .....          | ..... | .....               | .....      | .....              | 15 188     | 633*                |      |
| Appanoose   | .....          | ..... | .....               | .....      | .....              | 14 710     | 498*                |      |
| Audubon     | .....          | ..... | .....               | .....      | .....              | 8 169      | 444*                |      |
| Benton      | .....          | ..... | .....               | .....      | .....              | 22 898     | 719                 |      |
| Black Hawk  | .....          | ..... | .....               | .....      | .....              | 136 865    | 573*                |      |
| Boone       | .....          | ..... | .....               | .....      | .....              | 25 946     | 573*                |      |
| Bremer      | .....          | ..... | .....               | .....      | .....              | 24 669     | 439*                |      |
| Buchanan    | .....          | ..... | .....               | .....      | .....              | 22 900     | 572*                |      |
| Buena Vista | .....          | ..... | .....               | .....      | .....              | 21 016     | 575*                |      |
| Rutler      | .....          | ..... | .....               | .....      | .....              | 17 310     | 582*                |      |
| Calhoun     | .....          | ..... | .....               | .....      | .....              | 12 866     | 571*                |      |
| Carroll     | .....          | ..... | .....               | .....      | .....              | 22 915     | 570*                |      |
| Cass        | .....          | ..... | .....               | .....      | .....              | 17 077     | 565*                |      |
| Cedar       | .....          | ..... | .....               | .....      | .....              | 18 790     | 582*                |      |
| Cerro Gordo | .....          | ..... | .....               | .....      | .....              | 48 580     | 569*                |      |
| Cherokee    | .....          | ..... | .....               | .....      | .....              | 15 621     | 577*                |      |
| Chickasaw   | .....          | ..... | .....               | .....      | .....              | 15 018     | 505*                |      |
| Clarke      | .....          | ..... | .....               | .....      | .....              | 8 787      | 431*                |      |
| Clay        | .....          | ..... | .....               | .....      | .....              | 19 165     | 569*                |      |
| Clayton     | .....          | ..... | .....               | .....      | .....              | 21 245     | 778*                |      |
| Clinton     | 55 532         | 695   | .....               | .....      | .....              | .....      | .....               |      |
| Crawford    | .....          | ..... | .....               | .....      | .....              | 19 448     | 714*                |      |
| Dallas      | .....          | ..... | .....               | .....      | .....              | 29 750     | 591                 |      |

\*Less than .5 psi overpressure

STATE OF IOWA (Continued)

| COUNTY     | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |       |
|------------|----------------|-------|------------|-------|-------------|-------|--------------|-------|
|            | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA  |
| Davis      | .....          | ..... | .....      | ..... | .....       | ..... | 9 276        | 504*  |
| Decatur    | .....          | ..... | .....      | ..... | .....       | ..... | 9 232        | 535*  |
| Delaware   | .....          | ..... | .....      | ..... | .....       | ..... | 19 169       | 578*  |
| Des Moines | 44 964         | 414   | .....      | ..... | .....       | ..... | 15 710       | 381*  |
| Dickinson  | .....          | ..... | .....      | ..... | .....       | ..... | .....        | ..... |
| Dubuque    | .....          | ..... | .....      | ..... | .....       | ..... | 91 209       | 607*  |
| Emmet      | .....          | ..... | .....      | ..... | .....       | ..... | 12 838       | 394*  |
| Fayette    | .....          | ..... | .....      | ..... | .....       | ..... | 24 668       | 731*  |
| Floyd      | .....          | ..... | .....      | ..... | .....       | ..... | 18 980       | 502*  |
| Franklin   | .....          | ..... | .....      | ..... | .....       | ..... | 12 521       | 583*  |
| Fremont    | .....          | ..... | .....      | ..... | .....       | ..... | 9 238        | 515   |
| Greene     | .....          | ..... | .....      | ..... | .....       | ..... | 11 579       | 571*  |
| Grundy     | .....          | ..... | .....      | ..... | .....       | ..... | 13 743       | 501*  |
| Guthrie    | .....          | ..... | .....      | ..... | .....       | ..... | 11 507       | 590*  |
| Hamilton   | .....          | ..... | .....      | ..... | .....       | ..... | 17 290       | 576*  |
| Hancock    | .....          | ..... | .....      | ..... | .....       | ..... | 13 559       | 571*  |
| Hardin     | .....          | ..... | .....      | ..... | .....       | ..... | 21 564       | 569*  |
| Harrison   | .....          | ..... | .....      | ..... | .....       | ..... | 15 855       | 698   |
| Henry      | .....          | ..... | .....      | ..... | .....       | ..... | 18 755       | 436   |
| Howard     | .....          | ..... | .....      | ..... | .....       | ..... | 10 877       | 473*  |
| Humboldt   | .....          | ..... | .....      | ..... | .....       | ..... | 11 972       | 437*  |
| Ida        | .....          | ..... | .....      | ..... | .....       | ..... | 8 852        | 432*  |
| Iowa       | .....          | ..... | .....      | ..... | .....       | ..... | 15 135       | 587   |
| Jackson    | 22 405         | 638   | .....      | ..... | .....       | ..... | 36 039       | 731*  |
| Jasper     | .....          | ..... | .....      | ..... | .....       | ..... | .....        | ..... |
| Jefferson  | .....          | ..... | .....      | ..... | .....       | ..... | 16 445       | 440*  |
| Johnson    | .....          | ..... | .....      | ..... | .....       | ..... | 85 664       | 614   |
| Jones      | .....          | ..... | .....      | ..... | .....       | ..... | 20 530       | 576*  |
| Keokuk     | .....          | ..... | .....      | ..... | .....       | ..... | 12 511       | 580*  |
| Kossuth    | .....          | ..... | .....      | ..... | .....       | ..... | 21 303       | 974*  |

\*Less than .5 psi overpressure

STATE OF IOWA (Continued)

| COUNTY        | VERY HIGH RISK |      | HIGH RISK  |      | MEDIUM RISK |      | LOW/NO* RISK |      |
|---------------|----------------|------|------------|------|-------------|------|--------------|------|
|               | POPULATION     | AREA | POPULATION | AREA | POPULATION  | AREA | POPULATION   | AREA |
| Lee           | 42 782         | 522  |            |      |             |      | 12 205       | 402  |
| Linn          | 169 437        | 724  |            |      |             |      | 10 127       | 432* |
| Louisa        |                |      |            |      |             |      | 12 755       | 588  |
| Lucas         |                |      |            |      |             |      |              |      |
| Lyon          |                |      |            |      |             |      |              |      |
| Madison       |                |      |            |      |             |      | 12 297       | 563  |
| Mahaska       |                |      |            |      |             |      | 23 124       | 571* |
| Marion        |                |      |            |      |             |      | 30 300       | 560* |
| Marshall      |                |      |            |      |             |      | 41 544       | 573* |
| Mills         | 13 842         | 439  |            |      |             |      |              |      |
| Mitchell      |                |      |            |      |             |      | 11 817       | 469* |
| Monona        |                |      |            |      |             |      | 11 292       | 697  |
| Monroe        |                |      |            |      |             |      | 8 779        | 434* |
| Montgomery    |                |      |            |      |             |      | 13 273       | 424* |
| Muscatine     |                |      |            |      |             |      | 42 285       | 442  |
| O'Brien       |                |      |            |      |             |      | 16 817       | 572* |
| Osceola       |                |      |            |      |             |      | 8 173        | 398* |
| Page          |                |      |            |      |             |      | 18 930       | 535* |
| Palo Alto     |                |      |            |      |             |      | 12 148       | 562* |
| Plymouth      |                |      |            |      |             |      | 24 479       | 864  |
| Pocahontas    |                |      |            |      |             |      | 10 841       | 577* |
| Polk          | 313 620        | 582  |            |      |             |      |              |      |
| Pottawattamie |                |      |            |      | 88 306      | 953  | 18 716       | 585* |
| Poweshiek     |                |      |            |      |             |      | 5 797        | 536* |
| Ringgold      |                |      |            |      |             |      |              |      |
| Sac           |                |      |            |      |             |      | 13 394       | 576* |
| Scott         | 161 427        | 459  |            |      |             |      |              |      |
| Shelby        |                |      |            |      |             |      | 14 675       | 591* |
| Sioux         |                |      |            |      |             |      | 31 399       | 769* |
| Story         |                |      |            |      |             |      | 73 036       | 574* |

\*Less than .5 psi overpressure



STATE OF IOWA (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA  | LOW/NO* RISK<br>POPULATION | AREA     |
|-------------|------------------------------|-------|-------------------------|-------|---------------------------|-------|----------------------------|----------|
| Tama        | .....                        | ..... | .....                   | ..... | .....                     | ..... | 18 964                     | 722*     |
| Taylor      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 8 297                      | 537*     |
| Union       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 13 855                     | 426*     |
| Van Buren   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 8 281                      | 484      |
| Wapello     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 39 386                     | 434*     |
| Warren      | 35 956                       | 573   | .....                   | ..... | .....                     | ..... | 20 041                     | 570*     |
| Washington  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 7 837                      | 527*     |
| Wayne       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 43 236                     | 718*     |
| Webster     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 12 850                     | 401*     |
| Winneshiek  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 22 264                     | 690*     |
| Woodbury    | 101 027                      | 873   | .....                   | ..... | .....                     | ..... | 8 906                      | 401*     |
| Worth       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 15 861                     | 578*     |
| Wright      | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| TOTAL STATE | 960 992                      | 5 919 | ---                     | ---   | 88 306                    | 953   | 1 857 641                  | 49 092   |
|             |                              |       |                         |       |                           |       | ( 312 608                  | 7 716)   |
|             |                              |       |                         |       |                           |       | (1 545 033                 | 41 376(* |

\*Less than .5 psi overpressure

S T A T E O F K A N S A S - - D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 2,454,933  
Land Area: 81,792 square miles

| COUNTY     | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |        |
|------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|--------|
|            | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA   |
| Allen      | .....          | ..... | 16 160              | 505        | .....              | .....      | 8 867               | 583*   |
| Anderson   | .....          | ..... | .....               | .....      | .....              | .....      | 17 964              | 431    |
| Atchison   | .....          | ..... | .....               | .....      | .....              | .....      | 7 351               | 1 136* |
| Barber     | .....          | ..... | .....               | .....      | .....              | .....      | 33 523              | 895*   |
| Barton     | .....          | ..... | .....               | .....      | .....              | .....      | .....               | .....  |
| Bourbon    | .....          | ..... | .....               | .....      | .....              | .....      | 15 817              | 638*   |
| Brown      | 11 663         | 571   | .....               | .....      | .....              | .....      | .....               | .....  |
| Butler     | 47 629         | 1 443 | .....               | .....      | .....              | .....      | 3 324               | 777*   |
| Chase      | .....          | ..... | .....               | .....      | .....              | .....      | 4 937               | 644*   |
| Chautauqua | .....          | ..... | .....               | .....      | .....              | .....      | .....               | .....  |
| Cherokee   | .....          | ..... | .....               | .....      | .....              | .....      | 22 307              | 590    |
| Cheyenne   | .....          | ..... | .....               | .....      | .....              | .....      | 3 687               | 1 021* |
| Clark      | .....          | ..... | .....               | .....      | .....              | .....      | 2 726               | 976*   |
| Clay       | .....          | ..... | .....               | .....      | .....              | .....      | 9 546               | 632    |
| Cloud      | .....          | ..... | .....               | .....      | .....              | .....      | 12 024              | 718*   |
| Coffey     | .....          | ..... | .....               | .....      | .....              | .....      | 10 139              | 615*   |
| Comanche   | .....          | ..... | .....               | .....      | .....              | .....      | 2 592               | 790*   |
| Cowley     | 37 379         | 1 128 | .....               | .....      | .....              | .....      | 38 049              | 595    |
| Crawford   | .....          | ..... | .....               | .....      | .....              | .....      | 4 658               | 894*   |
| Decatur    | .....          | ..... | .....               | .....      | .....              | .....      | .....               | .....  |
| Dickinson  | .....          | ..... | .....               | .....      | .....              | .....      | 19 972              | 852    |
| Doniphan   | .....          | ..... | 9 005               | 388        | .....              | .....      | 70 265              | 461    |
| Douglas    | .....          | ..... | .....               | .....      | .....              | .....      | 4 107               | 620*   |
| Edwards    | .....          | ..... | .....               | .....      | .....              | .....      | 3 635               | 650*   |
| Elk        | .....          | ..... | .....               | .....      | .....              | .....      | .....               | .....  |

\*Less than .5 psi overpressure

STATE OF KANSAS (Continued)

| COUNTY      | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |        |
|-------------|----------------|-------|------------|-------|-------------|-------|--------------|--------|
|             | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA   |
| Ellis       | .....          | ..... | .....      | ..... | .....       | ..... | 29 004       | 900*   |
| Ellsworth   | .....          | ..... | .....      | ..... | .....       | ..... | 6 362        | 717    |
| Finney      | .....          | ..... | .....      | ..... | .....       | ..... | 30 041       | 1 302* |
| Ford        | .....          | ..... | .....      | ..... | .....       | ..... | 26 636       | 1 099* |
| Franklin    | .....          | ..... | .....      | ..... | .....       | ..... | 22 337       | 577    |
| Geary       | 29 329         | 377   | .....      | ..... | .....       | ..... | 3 688        | 1 072* |
| Gove        | .....          | ..... | .....      | ..... | .....       | ..... | 4 256        | 898*   |
| Graham      | .....          | ..... | .....      | ..... | .....       | ..... | 6 782        | 575*   |
| Grant       | .....          | ..... | .....      | ..... | .....       | ..... | 5 373        | 868*   |
| Gray        | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Greeley     | .....          | ..... | 1 917      | 778   | .....       | ..... | 8 732        | 1 135* |
| Greenwood   | .....          | ..... | .....      | ..... | .....       | ..... | 2 499        | 998    |
| Hamilton    | .....          | ..... | .....      | ..... | .....       | ..... | 7 767        | 802*   |
| Harper      | .....          | ..... | .....      | ..... | .....       | ..... | 31 144       | 541    |
| Harvey      | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Haskell     | .....          | ..... | .....      | ..... | .....       | ..... | 3 876        | 578*   |
| Hodgeman    | .....          | ..... | .....      | ..... | .....       | ..... | 2 265        | 860*   |
| Jackson     | .....          | ..... | .....      | ..... | .....       | ..... | 11 502       | 658    |
| Jefferson   | .....          | ..... | .....      | ..... | 16 072      | 536   | .....        | .....  |
| Jewell      | .....          | ..... | .....      | ..... | .....       | ..... | 4 396        | 916    |
| Johnson     | .....          | ..... | 302 948    | 478   | .....       | ..... | 3 901        | 868    |
| Kearny      | .....          | ..... | .....      | ..... | .....       | ..... | 9 141        | 866*   |
| Kingman     | .....          | ..... | .....      | ..... | .....       | ..... | 4 011        | 723*   |
| Kiowa       | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |
| Labette     | 25 690         | 653   | .....      | ..... | .....       | ..... | .....        | .....  |
| Lane        | .....          | ..... | .....      | ..... | .....       | ..... | 2 560        | 717*   |
| Leavenworth | 58 999         | 463   | .....      | ..... | .....       | ..... | 3 771        | 720*   |
| Lincoln     | .....          | ..... | .....      | ..... | .....       | ..... | 8 342        | 601    |
| Linn        | .....          | ..... | .....      | ..... | .....       | ..... | 3 458        | 1 073  |
| Logan       | .....          | ..... | .....      | ..... | .....       | ..... | .....        | .....  |

\*Less than .5 psi overpressure

STATE OF KANSAS (Continued)

| COUNTY       | VERY HIGH RISK |       | HIGH RISK  |      | MEDIUM RISK |      | LOW/NO* RISK |        |
|--------------|----------------|-------|------------|------|-------------|------|--------------|--------|
|              | POPULATION     | AREA  | POPULATION | AREA | POPULATION  | AREA | POPULATION   | AREA   |
| Lyon         | 27 785         | 900   |            |      |             |      | 38 382       | 844*   |
| McPherson    |                |       |            |      |             |      |              |        |
| Marion       |                |       |            |      |             |      | 13 316       | 944*   |
| Marshall     |                |       |            |      |             |      | 13 157       | 878*   |
| Meade        |                |       |            |      |             |      | 4 652        | 979*   |
| Miami        |                |       |            |      |             |      |              |        |
| Mitchell     |                |       |            |      |             |      | 22 370       | 590    |
| Montgomery   | 42 372         | 646   |            |      |             |      | 7 879        | 717*   |
| Morris       |                |       |            |      |             |      |              |        |
| Morton       |                |       |            |      |             |      | 6 294        | 693    |
|              |                |       |            |      |             |      | 3 551        | 731*   |
| Nemaha       |                |       |            |      |             |      |              |        |
| Neosho       | 19 665         | 576   |            |      |             |      | 11 148       | 719    |
| Ness         |                |       |            |      |             |      |              |        |
| Norton       |                |       |            |      |             |      | 4 719        | 1 075* |
| Osage        |                |       |            |      |             |      | 6 530        | 873    |
|              |                |       |            |      |             |      |              |        |
|              |                |       |            |      |             |      | 16 345       | 695    |
| Osborne      |                |       |            |      |             |      |              |        |
| Ottawa       |                |       |            |      |             |      | 5 677        | 882*   |
| Pawnee       |                |       |            |      |             |      | 5 823        | 721    |
| Phillips     | 7 276          | 887   |            |      |             |      | 8 369        | 755*   |
| Pottawatomie | 15 954         | 828   |            |      |             |      |              |        |
| Pratt        |                |       |            |      |             |      |              |        |
| Rawlins      |                |       |            |      |             |      | 11 255       | 735*   |
| Reno         | 64 889         | 1 259 |            |      |             |      | 3 990        | 1 069* |
| Republic     |                |       |            |      |             |      |              |        |
| Rice         |                |       |            |      |             |      | 7 034        | 719*   |
|              |                |       |            |      |             |      | 11 669       | 728    |
| Riley        | 63 181         | 593   |            |      |             |      |              |        |
| Rooks        |                |       |            |      |             |      |              |        |
| Rush         |                |       |            |      |             |      | 6 958        | 888    |
| Russell      |                |       |            |      |             |      | 4 427        | 718*   |
| Saline       | 50 557         | 721   |            |      |             |      | 9 344        | 869*   |

\*Less than .5 psi overpressure

STATE OF KANSAS (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|-------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Scott       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 905                      | 717*                 |
| Sedgwick    | 385 098                      | 1 007                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Seward      | 18 408                       | 640                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Shawnee     | 160 006                      | 549                    | .....                   | .....             | .....                     | .....               | 3 435                      | 896*                 |
| Sheridan    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Sherman     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 7 425                      | 1 057*               |
| Smith       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 576                      | 897*                 |
| Stafford    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 886                      | 788*                 |
| Stanton     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 2 451                      | 681*                 |
| Stevens     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 863                      | 727                  |
| Sumner      | .....                        | .....                  | .....                   | .....             | 25 457                    | 1 184               | 9 160                      | 1 075                |
| Thomas      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 428                      | 890                  |
| Trego       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Wabaunsee   | .....                        | .....                  | 6 775                   | 797               | .....                     | .....               | 2 075                      | 914                  |
| Wallace     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Washington  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 7 890                      | 898*                 |
| Wichita     | 2 684                        | 719                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Wilson      | .....                        | .....                  | .....                   | .....             | 11 722                    | 575                 | .....                      | .....                |
| Woodson     | .....                        | .....                  | .....                   | .....             | 4 657                     | 498                 | .....                      | .....                |
| Wyandotte   | 172 339                      | 149                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| TOTAL STATE | 1 241 903                    | 14 109                 | 311 640                 | 2 946             | 74 253                    | 3 488               | 827 137                    | 61 249               |
|             |                              |                        |                         |                   |                           |                     | ( 363 362                  | 17 582)              |
|             |                              |                        |                         |                   |                           |                     | ( 463 775                  | 43 667)*             |

\*Less than .5 psi overpressure

S T A T E O F M I S S O U R I - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 4,968,558  
Land Area: 68,576 square miles

| COUNTY         | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |       |
|----------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|-------|
|                | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA  |
| Adair          | .....          | ..... | .....               | .....      | .....              | 25 447     | .....               | 567*  |
| Andrew         | .....          | ..... | .....               | .....      | .....              | 8 640      | .....               | 542*  |
| Atchison       | .....          | ..... | .....               | .....      | .....              | 25 774     | .....               | 697*  |
| Audrain        | .....          | ..... | .....               | .....      | .....              | 26 082     | .....               | 773*  |
| Barry          | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Barton         | .....          | ..... | .....               | .....      | .....              | 11 620     | .....               | 597   |
| Bates          | 15 991         | 849   | .....               | .....      | .....              | .....      | .....               | ..... |
| Benton         | 12 507         | 729   | .....               | .....      | .....              | .....      | .....               | ..... |
| Bollinger      | .....          | ..... | .....               | .....      | .....              | 10 414     | .....               | 621*  |
| Boone          | .....          | ..... | .....               | .....      | .....              | 107 479    | .....               | 687   |
| Buchanan       | 86 001         | 409   | .....               | .....      | .....              | .....      | .....               | ..... |
| Butler         | .....          | ..... | .....               | .....      | .....              | 38 514     | .....               | 698*  |
| Caldwell       | .....          | ..... | .....               | .....      | .....              | 8 099      | .....               | 431*  |
| Callaway       | 33 202         | 542   | .....               | .....      | .....              | .....      | .....               | ..... |
| Camden         | .....          | ..... | .....               | .....      | .....              | 23 226     | .....               | 641   |
| Cape Girardeau | .....          | ..... | .....               | .....      | .....              | 60 804     | .....               | 577*  |
| Carroll        | .....          | ..... | .....               | .....      | .....              | 11 543     | .....               | 695   |
| Carter         | .....          | ..... | .....               | .....      | .....              | 5 705      | .....               | 509*  |
| Cass           | 55 154         | 702   | .....               | .....      | .....              | .....      | .....               | ..... |
| Cedar          | 12 412         | 471   | .....               | .....      | .....              | .....      | .....               | ..... |
| Chariton       | .....          | ..... | .....               | .....      | .....              | 10 258     | .....               | 758*  |
| Christian      | .....          | ..... | .....               | .....      | .....              | 24 655     | .....               | 564   |
| Clark          | .....          | ..... | .....               | .....      | .....              | 8 254      | .....               | 507   |
| Clay           | 138 910        | 403   | .....               | .....      | .....              | .....      | .....               | ..... |
| Clinton        | .....          | ..... | .....               | .....      | .....              | 16 139     | .....               | 423   |

\*less than .5 psi overpressure

STATE OF MISSOURI (Continued)

| COUNTY    | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|-----------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Cole      | 61 687                       | 392                    |                         |                   |                           |                     |                            |                      |
| Cooper    | 14 592                       | 566                    |                         |                   |                           |                     | 19 043                     | 744                  |
| Crawford  |                              |                        |                         |                   |                           |                     | 7 533                      | 491                  |
| Dade      |                              |                        |                         |                   |                           |                     | 12 760                     | 543*                 |
| Dallas    |                              |                        |                         |                   |                           |                     |                            |                      |
| Daviess   |                              |                        |                         |                   |                           |                     | 8 648                      | 568*                 |
| DeKalb    |                              |                        |                         |                   |                           |                     | 8 127                      | 425                  |
| Dent      |                              |                        |                         |                   |                           |                     | 14 934                     | 755*                 |
| Douglas   |                              |                        |                         |                   |                           |                     | 12 608                     | 814*                 |
| Dunklin   |                              |                        | 35 924                  | 547               |                           |                     |                            |                      |
| Franklin  | 74 755                       | 922                    |                         |                   |                           |                     |                            |                      |
| Gasconade |                              |                        |                         |                   |                           |                     | 13 677                     | 521*                 |
| Gentry    |                              |                        |                         |                   |                           |                     | 7 919                      | 493*                 |
| Greene    |                              |                        |                         |                   |                           |                     | 194 885                    | 678*                 |
| Grundy    |                              |                        |                         |                   |                           |                     | 11 542                     | 437*                 |
| Harrison  |                              |                        |                         |                   |                           |                     | 9 919                      | 725*                 |
| Henry     | 19 582                       | 729                    |                         |                   |                           |                     |                            |                      |
| Hickory   |                              |                        |                         |                   | 7 044                     | 379                 |                            |                      |
| Holt      |                              |                        |                         |                   |                           |                     | 6 649                      | 456                  |
| Howard    |                              |                        |                         |                   | 9 972                     | 464                 |                            |                      |
| Howell    |                              |                        |                         |                   |                           |                     | 30 461                     | 927*                 |
| Iron      |                              |                        |                         |                   |                           |                     | 11 542                     | 552*                 |
| Jackson   | 634 530                      | 611                    |                         |                   |                           |                     |                            |                      |
| Jasper    |                              |                        |                         |                   |                           |                     | 89 889                     | 641*                 |
| Jefferson |                              |                        |                         |                   | 158 515                   | 661                 |                            |                      |
| Johnson   | 38 244                       | 834                    |                         |                   |                           |                     | 5 277                      | 507*                 |
| Knox      |                              |                        |                         |                   |                           |                     | 26 106                     | 768                  |
| LaClede   |                              |                        |                         |                   |                           |                     |                            |                      |
| LaFayette | 30 315                       | 632                    |                         |                   |                           |                     |                            |                      |
| Lawrence  |                              |                        |                         |                   |                           |                     | 30 322                     | 614*                 |

\*Less than .5 psi overpressure

STATE OF MISSOURI (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|-------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Lewis       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 165                     | 508*                 |
| Lincoln     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 24 138                     | 627                  |
| Linn        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 15 542                     | 620*                 |
| Livingston  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 15 532                     | 537*                 |
| McDonald    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 15 830                     | 541*                 |
| Macon       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 17 010                     | 797*                 |
| Madison     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 008                     | 497*                 |
| Maries      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 7 896                      | 528*                 |
| Marion      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 29 304                     | 438*                 |
| Mercer      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 597                      | 454*                 |
| Miller      | .....                        | .....                  | 20 308                  | 593               | .....                     | .....               | 15 770                     | 410*                 |
| Mississippi | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Moniteau    | 12 906                       | 417                    | .....                   | .....             | .....                     | .....               | 9 699                      | 670*                 |
| Monroe      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 566                     | 540*                 |
| Montgomery  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Morgan      | 15 540                       | 594                    | .....                   | .....             | .....                     | .....               | 22 345                     | 658                  |
| New Madrid  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 43 026                     | 627*                 |
| Newton      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 22 573                     | 875*                 |
| Nodaway     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 036                     | 792*                 |
| Oregon      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Osage       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 12 200                     | 606                  |
| Ozark       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 8 858                      | 731*                 |
| Pemiscot    | 24 155                       | 517                    | .....                   | .....             | .....                     | .....               | 17 125                     | 473*                 |
| Perry       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Pettis      | 35 726                       | 686                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Phelps      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 35 514                     | 674                  |
| Pike        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 16 953                     | 673*                 |
| Platte      | 49 863                       | 421                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Polk        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 20 220                     | 636                  |
| Pulaski     | 44 051                       | 550                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |

\*Less than .5 psi overpressure



STATE OF MISSOURI (Continued)

| COUNTY        | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |        | LOW/NO* RISK |        |
|---------------|----------------|-------|------------|-------|-------------|--------|--------------|--------|
|               | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA   | POPULATION   | AREA   |
| Putnam        | .....          | ..... | .....      | ..... | .....       | .....  | 5 858        | 520*   |
| Ralls         | .....          | ..... | .....      | ..... | .....       | .....  | 9 076        | 481*   |
| Randolph      | .....          | ..... | .....      | ..... | .....       | .....  | 26 165       | 477*   |
| Ray           | .....          | ..... | .....      | ..... | .....       | 21 878 | 7 162        | 808*   |
| Reynolds      | .....          | ..... | .....      | ..... | .....       | .....  | .....        | .....  |
| Ripley        | .....          | ..... | .....      | ..... | .....       | .....  | 12 767       | 632*   |
| St Charles    | 166 248        | 558   | .....      | ..... | .....       | .....  | .....        | .....  |
| St Clair      | 8 667          | 698   | .....      | ..... | .....       | .....  | .....        | .....  |
| Ste Genevieve | .....          | ..... | .....      | ..... | .....       | .....  | 15 238       | 504*   |
| St Francois   | .....          | ..... | .....      | ..... | .....       | .....  | 43 670       | 451*   |
| St Louis      | 990 381        | 505   | .....      | ..... | .....       | .....  | .....        | .....  |
| Saline        | 25 067         | 755   | .....      | ..... | .....       | .....  | 4 721        | 308*   |
| Schuyler      | .....          | ..... | .....      | ..... | .....       | .....  | 5 278        | 439*   |
| Scotland      | .....          | ..... | .....      | ..... | .....       | .....  | 40 428       | 423*   |
| Scott         | .....          | ..... | .....      | ..... | .....       | .....  | .....        | .....  |
| Shannon       | .....          | ..... | .....      | ..... | .....       | .....  | 8 095        | 1 004* |
| Shelby        | .....          | ..... | .....      | ..... | .....       | .....  | 7 652        | 501*   |
| Stoddard      | .....          | ..... | .....      | ..... | .....       | .....  | 28 536       | 818*   |
| Stone         | .....          | ..... | .....      | ..... | .....       | .....  | 17 337       | 451*   |
| Sullivan      | .....          | ..... | .....      | ..... | .....       | .....  | 7 134        | 651*   |
| Taney         | .....          | ..... | .....      | ..... | .....       | .....  | 24 151       | 608*   |
| Texas         | .....          | ..... | .....      | ..... | .....       | .....  | 21 640       | 1 108  |
| Vernon        | .....          | ..... | .....      | ..... | .....       | .....  | 19 850       | 837    |
| Warren        | .....          | ..... | .....      | ..... | .....       | .....  | 16 799       | 429*   |
| Washington    | .....          | ..... | .....      | ..... | .....       | .....  | 18 661       | 762*   |

\*Less than .5 psi overpressure

STATE OF MISSOURI (Continued)

| COUNTY          | VERY HIGH RISK |        | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |          |
|-----------------|----------------|--------|------------|-------|-------------|-------|--------------|----------|
|                 | POPULATION     | AREA   | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA     |
| Wayne           | .....          | .....  | .....      | ..... | .....       | ..... | 11 804       | 763*     |
| Webster         | .....          | .....  | .....      | ..... | .....       | ..... | 21 915       | 594*     |
| Worth           | .....          | .....  | .....      | ..... | .....       | ..... | 2 968        | 266*     |
| Wright          | .....          | .....  | .....      | ..... | .....       | ..... | 16 431       | 682*     |
| St Louis (City) | 423 409        | 61     |            |       |             |       |              |          |
| TOTAL STATE     | 3 023 895      | 14 553 | 56 232     | 1 140 | 340 393     | 3 831 | 1 548 038    | 49 052   |
|                 |                |        |            |       |             |       | ( 298 582    | 10 821)  |
|                 |                |        |            |       |             |       | (1 299 456   | 38 231)* |

\*Less than .5 psi overpressure

S T A T E O F N E B R A S K A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 1,614,811  
 Land Area: 76,639 square miles

| COUNTY    | VERY HIGH RISK |      | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |      |
|-----------|----------------|------|---------------------|------------|--------------------|------------|---------------------|------|
|           | POPULATION     | AREA | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA |
| Adams     |                |      |                     |            |                    | 31 141     |                     | 564  |
| Antelope  |                |      |                     |            |                    | 8 726      |                     | 859* |
| Arthur    |                |      |                     |            |                    | 475        |                     | 710* |
| Banner    | 1 084          | 747  |                     |            |                    |            |                     |      |
| Blaine    |                |      |                     |            |                    | 775        |                     | 714* |
| Boone     |                |      |                     |            |                    | 7 343      |                     | 687* |
| Box Butte |                |      |                     |            |                    | 14 324     | 1 077*              |      |
| Boyd      |                |      |                     |            |                    | 3 325      |                     | 532* |
| Brown     |                |      |                     |            |                    | 4 287      | 1 214*              |      |
| Buffalo   |                |      |                     |            |                    | 38 764     |                     | 946* |
| Burt      |                |      |                     |            |                    | 8 741      |                     | 486* |
| Butler    |                |      |                     |            |                    | 9 138      |                     | 584  |
| Cass      |                |      |                     |            |                    | 21 808     |                     | 557  |
| Cedar     |                |      |                     |            |                    | 11 255     |                     | 740* |
| Chase     |                |      |                     |            |                    | 4 924      |                     | 893* |
| Cherry    |                |      |                     |            |                    | 6 867      | 5 961*              |      |
| Cheyenne  |                |      |                     |            |                    | 10 046     | 1 196               |      |
| Clay      |                |      |                     |            |                    | 7 815      |                     | 574  |
| Colfax    |                |      |                     |            |                    | 9 545      |                     | 410* |
| Cuming    |                |      |                     |            |                    | 11 447     |                     | 575* |
| Custer    |                |      |                     |            |                    | 13 677     | 2 571*              |      |
| Dakota    | 17 369         | 258  |                     |            |                    |            |                     |      |
| Dawes     |                |      |                     |            |                    | 9 362      | 1 397*              |      |
| Dawson    |                |      |                     |            |                    | 22 298     |                     | 982* |
| Deuel     |                |      |                     |            |                    |            |                     |      |

\*Less than .5 psi overpressure

STATE OF NEBRASKA (Continued)

| COUNTY    | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA  | LOW/NO* RISK<br>POPULATION | AREA   |
|-----------|------------------------------|-------|-------------------------|-------|---------------------------|-------|----------------------------|--------|
| Dixon     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 6 864                      | 474*   |
| Dodge     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 35 764                     | 534*   |
| Douglas   | .....                        | ..... | .....                   | ..... | 413 626                   | 333   |                            |        |
| Dundy     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 2 894                      | 920*   |
| Fillmore  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 7 732                      | 576*   |
| Franklin  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 4 293                      | 576*   |
| Frontier  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 3 632                      | 976*   |
| Furnas    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 6 536                      | 721*   |
| Gage      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 23 940                     | 858*   |
| Garden    | .....                        | ..... | 2 725                   | 1 680 | .....                     | ..... |                            |        |
| Garfield  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 2 422                      | 570*   |
| Gosper    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 2 160                      | 461*   |
| Grant     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 878                        | 775*   |
| Greeley   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 3 320                      | 570*   |
| Hall      | 50 376                       | 537   | .....                   | ..... | .....                     | ..... |                            |        |
| Hamilton  | .....                        | ..... | .....                   | ..... | 9 232                     | 542   |                            |        |
| Harlan    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 4 288                      | 555*   |
| Hayes     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 1 316                      | 714*   |
| Hitchcock | .....                        | ..... | .....                   | ..... | .....                     | ..... | 3 965                      | 709*   |
| Holt      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 14 004                     | 2 406* |
| Hooker    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 1 024                      | 720*   |
| Howard    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 6 707                      | 564    |
| Jefferson | .....                        | ..... | .....                   | ..... | .....                     | ..... | 9 535                      | 575*   |
| Johnson   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 5 057                      | 376*   |
| Kearney   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 6 690                      | 519*   |
| Keith     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 9 138                      | 1 039* |
| Keya Paha | .....                        | ..... | .....                   | ..... | .....                     | ..... | 1 237                      | 769*   |
| Kimball   | 4 967                        | 952   | .....                   | ..... | .....                     | ..... |                            |        |
| Knox      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 11 198                     | 1 105* |
| Lancaster | 205 512                      | 839   | .....                   | ..... | .....                     | ..... |                            |        |

\*Less than .5 psi overpressure

STATE OF NEBRASKA (Continued)

| COUNTY       | VERY HIGH RISK |       | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |        |
|--------------|----------------|-------|------------|-------|-------------|-------|--------------|--------|
|              | POPULATION     | AREA  | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA   |
| Lincoln      | .....          | ..... | .....      | ..... | .....       | ..... | 34 217       | 2 525* |
| Logan        | .....          | ..... | .....      | ..... | .....       | ..... | 969          | 571*   |
| Loup         | .....          | ..... | .....      | ..... | .....       | ..... | 897          | 574*   |
| McPherson    | .....          | ..... | .....      | ..... | .....       | ..... | 561          | 859*   |
| Madison      | .....          | ..... | .....      | ..... | .....       | ..... | 32 468       | 575*   |
| Merrick      | .....          | ..... | 8 628      | 478   | .....       | ..... | .....        | .....  |
| Morrill      | 6 029          | 1 405 | .....      | ..... | .....       | ..... | .....        | .....  |
| Nance        | .....          | ..... | .....      | ..... | .....       | ..... | 4 594        | 439*   |
| Nemaha       | .....          | ..... | .....      | ..... | .....       | ..... | 8 330        | 408*   |
| Nuckolls     | .....          | ..... | .....      | ..... | .....       | ..... | 6 792        | 576*   |
| Otoe         | .....          | ..... | .....      | ..... | .....       | ..... | 15 120       | 615*   |
| Pawnee       | .....          | ..... | .....      | ..... | .....       | ..... | 3 695        | 432*   |
| Perkins      | .....          | ..... | .....      | ..... | .....       | ..... | 3 813        | 885*   |
| Phelps       | .....          | ..... | .....      | ..... | .....       | ..... | 10 198       | 540*   |
| Pierce       | .....          | ..... | .....      | ..... | .....       | ..... | 8 514        | 575*   |
| Platte       | .....          | ..... | .....      | ..... | .....       | ..... | 29 752       | 669*   |
| Polk         | .....          | ..... | .....      | ..... | .....       | ..... | 5 973        | 437*   |
| Red Willow   | .....          | ..... | .....      | ..... | .....       | ..... | 12 999       | 718*   |
| Richardson   | .....          | ..... | .....      | ..... | .....       | ..... | 10 905       | 553    |
| Rock         | .....          | ..... | .....      | ..... | .....       | ..... | 2 456        | 1 003* |
| Saline       | .....          | ..... | .....      | ..... | .....       | ..... | 13 066       | 576    |
| Sarpy        | 95 470         | 238   | .....      | ..... | .....       | ..... | .....        | .....  |
| Saunders     | .....          | ..... | .....      | ..... | .....       | ..... | 18 574       | 753*   |
| Scotts Bluff | 38 419         | 725   | .....      | ..... | .....       | ..... | .....        | .....  |
| Seward       | .....          | ..... | .....      | ..... | 15 820      | 575   | .....        | .....  |
| Sheridan     | .....          | ..... | .....      | ..... | .....       | ..... | 7 807        | 2 453* |
| Sherman      | .....          | ..... | .....      | ..... | .....       | ..... | 3 972        | 564*   |
| Sioux        | 1 738          | 2 069 | .....      | ..... | .....       | ..... | .....        | .....  |
| Stanton      | .....          | ..... | .....      | ..... | .....       | ..... | 6 437        | 431*   |
| Thayer       | .....          | ..... | .....      | ..... | .....       | ..... | 7 463        | 575*   |

\*Less than .5 psi overpressure

STATE OF NEBRASKA (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | HIGH RISK<br>POPULATION | MEDIUM RISK<br>POPULATION | LOW/NO* RISK<br>POPULATION | AREA  | AREA  | AREA     | AREA            |
|-------------|------------------------------|-------------------------|---------------------------|----------------------------|-------|-------|----------|-----------------|
| Thomas      | .....                        | .....                   | .....                     | 965                        | ..... | ..... | .....    | 714*            |
| Thurston    | .....                        | .....                   | 7 194                     | 5 871                      | ..... | 391   | .....    | 567*            |
| Valley      | .....                        | .....                   | .....                     | 15 464                     | ..... | ..... | .....    | 386*            |
| Washington  | .....                        | .....                   | .....                     | 9 801                      | ..... | ..... | .....    | 443*            |
| Wayne       | .....                        | .....                   | .....                     | 4 787                      | ..... | ..... | .....    | 575*            |
| Webster     | .....                        | .....                   | .....                     | 1 101                      | ..... | ..... | .....    | 575*            |
| Wheeler     | .....                        | .....                   | .....                     | 15 046                     | ..... | ..... | .....    | 576*            |
| York        | .....                        | .....                   | .....                     | .....                      | ..... | ..... | .....    | .....           |
| TOTAL STATE | 420 964                      | 11 353                  | 448 230                   | 734 264                    | 2 158 | 2 078 | 64 633   | ( 79 485 5 168) |
|             |                              |                         |                           | ( 654 779                  |       |       | 59 465)* |                 |

\*Less than .5 psi overpressure

F E M A R E G I O N V I I I - - D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 7,709,731  
 Land Area: 573,497 square miles

| STATE             | VERY HIGH RISK<br>GT 10 PSI |         | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |        | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |        | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |           |
|-------------------|-----------------------------|---------|----------------------------------|--------|-----------------------------------|--------|-------------------------------------|-----------|
|                   | POPULATION                  | AREA    | POPULATION                       | AREA   | POPULATION                        | AREA   | POPULATION                          | AREA      |
| Colorado          | 2 129 554                   | 21 244  | 420 758                          | 768    | 11 157                            | 559    | 688 649                             | 81 081    |
| Montana           | 419 999                     | 47 939  | ---                              | ---    | 30 641                            | 13 978 | ( 174 065                           | 19 414)   |
| North Dakota      | 481 812                     | 33 890  | 11 496                           | 3 744  | 4 752                             | 1 036  | ( 514 044                           | 61 677)*  |
| South Dakota      | 290 207                     | 20 782  | 2 493                            | 1 969  | ---                               | ---    | 382 232                             | 83 448    |
| Utah              | 1 137 432                   | 17 388  | 28 848                           | 4 479  | 71 167                            | 5 069  | ( 83 619                            | 20 524)   |
| Wyoming           | 313 177                     | 51 368  | 6 058                            | 2 856  | 5 572                             | 4 871  | ( 298 613                           | 69 924)*  |
| TOTAL REGION VIII | 4 772 181                   | 192 611 | 469 653                          | 13 816 | 123 289                           | 25 513 | ( 199 516                           | 30 674    |
|                   |                             |         |                                  |        |                                   |        | ( 65 257                            | 5 394)    |
|                   |                             |         |                                  |        |                                   |        | ( 134 259                           | 25 280)*  |
|                   |                             |         |                                  |        |                                   |        | ( 47 051                            | 10 623)   |
|                   |                             |         |                                  |        |                                   |        | ( 368 977                           | 42 582)*  |
|                   |                             |         |                                  |        |                                   |        | 461 420                             | 55 158    |
|                   |                             |         |                                  |        |                                   |        | ( 282 697                           | 9 366)    |
|                   |                             |         |                                  |        |                                   |        | ( 178 723                           | 45 792)*  |
|                   |                             |         |                                  |        |                                   |        | 196 763                             | 37 991    |
|                   |                             |         |                                  |        |                                   |        | ( 30 328                            | 4 286)    |
|                   |                             |         |                                  |        |                                   |        | ( 166 435                           | 33 705)*  |
|                   |                             |         |                                  |        |                                   |        | 1 944 608                           | 341 557   |
|                   |                             |         |                                  |        |                                   |        | ( 683 017                           | 69 607)   |
|                   |                             |         |                                  |        |                                   |        | (1 261 591                          | 271 950)* |

\*Less than .5 psi overpressure

S T A T E O F C O L O R A D O - - D I R E C T S E F F E C T S R I S K

Estimated 1985 Population: 3,250,118  
Land Area: 103,652 square miles

| COUNTY      | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |       |
|-------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|-------|
|             | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA  |
| Adams       | 277 973        | 1 235 | .....               | .....      | .....              | 12 588     | 719*                |       |
| Alamosa     | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Arapahoe    | 378 836        | 800   | .....               | .....      | .....              | 5 798      | 1 353*              |       |
| Archuleta   | .....          | ..... | .....               | .....      | .....              | 5 133      | 2 554*              |       |
| Baca        | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Bent        | .....          | ..... | .....               | .....      | .....              | 5 913      | 1 008*              |       |
| Boulder     | 213 665        | 742   | .....               | .....      | .....              | 12 793     | 1 008*              |       |
| Chaffee     | .....          | ..... | .....               | .....      | .....              | 2 475      | 1 783*              |       |
| Cheyenne    | .....          | ..... | .....               | .....      | .....              | 7 283      | 397*                |       |
| Clear Creek | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |
| Conejos     | .....          | ..... | .....               | .....      | .....              | 8 148      | 1 285*              |       |
| Costilla    | .....          | ..... | .....               | .....      | .....              | 3 564      | 1 227*              |       |
| Crowley     | .....          | ..... | .....               | .....      | .....              | 3 282      | 790*                |       |
| Custer      | .....          | ..... | .....               | .....      | .....              | 1 952      | 740*                |       |
| Delta       | .....          | ..... | .....               | .....      | .....              | 24 615     | 1 141*              |       |
| Denver      | 507 548        | 111   | .....               | .....      | .....              | .....      | .....               | ..... |
| Dolores     | .....          | ..... | .....               | .....      | .....              | 1 792      | 1 064*              |       |
| Douglas     | .....          | ..... | .....               | .....      | .....              | 35 853     | 841*                |       |
| Eagle       | .....          | ..... | .....               | .....      | .....              | 17 085     | 1 690*              |       |
| Elbert      | .....          | ..... | .....               | .....      | .....              | 8 500      | 1 851               |       |
| El Paso     | 358 941        | 2 129 | .....               | .....      | .....              | 31 488     | 1 538               |       |
| Fremont     | .....          | ..... | .....               | .....      | .....              | 28 651     | 2 952               |       |
| Garfield    | .....          | ..... | .....               | .....      | .....              | 2 822      | 149                 |       |
| Gilpin      | .....          | ..... | .....               | .....      | .....              | 9 077      | 1 854*              |       |
| Grand       | .....          | ..... | .....               | .....      | .....              | .....      | .....               | ..... |

\*Less than .5 psi overpressure



STATE OF COLORADO (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Gunnison   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 471                     | 3 238*               |
| Hinsdale   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 531                        | 1 115*               |
| Huerfano   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 7 187                      | 1 583*               |
| Jackson    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 1 732                      | 1 615*               |
| Jefferson  | .....                        | .....                  | 420 750                 | 1 615             | .....                     | .....               | .....                      | .....                |
| Kiowa      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 1 947                      | 1 758*               |
| Kit Carson | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 7 960                      | 2 160*               |
| Lake       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 6 762                      | 379*                 |
| La Plata   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 31 744                     | 1 692                |
| Larimer    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 169 855                    | 2 604*               |
| Las Animas | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 14 778                     | 4 771*               |
| Lincoln    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 547                      | 2 586*               |
| Logan      | 19 921                       | 1 819                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Mesa       | 98 752                       | 3 309                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Mineral    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 808                        | 877*                 |
| Moffat     | 15 593                       | 4 732                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Montezuma  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 20 001                     | 2 083*               |
| Montrose   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 26 409                     | 2 240*               |
| Morgan     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 23 440                     | 1 276                |
| Otero      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 22 191                     | 1 247*               |
| Ouray      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 2 241                      | 542*                 |
| Park       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 7 201                      | 2 192*               |
| Phillips   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 653                      | 688*                 |
| Pitkin     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 10 356                     | 968*                 |
| Prowers    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 14 492                     | 1 629*               |
| Pueblo     | 124 546                      | 2 377                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Rio Blanco | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 6 960                      | 3 222*               |
| Rio Grande | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 468                     | 913*                 |
| Routt      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 13 951                     | 2 267                |
| Saguache   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 141                      | 3 176*               |

\*Less than .5 psi overpressure

STATE OF COLORADO (Continued)

| COUNTY      | VERY HIGH RISK |        | HIGH RISK  |       | MEDIUM RISK |        | LOW/NO* RISK |          |
|-------------|----------------|--------|------------|-------|-------------|--------|--------------|----------|
|             | POPULATION     | AREA   | POPULATION | AREA  | POPULATION  | AREA   | POPULATION   | AREA     |
| San Juan    | .....          | .....  | .....      | ..... | .....       | .....  | 1 085        | 388      |
| San Miguel  | .....          | .....  | .....      | ..... | .....       | .....  | 3 006        | 1 287    |
| Sedgwick    | .....          | .....  | .....      | ..... | .....       | .....  | 3 187        | 540      |
| Summit      | .....          | .....  | .....      | ..... | .....       | .....  | 11 192       | 607      |
| Teller      | .....          | .....  | .....      | ..... | .....       | 11 157 | 559          |          |
| Washington  | .....          | .....  | .....      | ..... | .....       | .....  | 5 548        | 2 520    |
| Weld        | 133 779        | 3 990  | .....      | ..... | .....       | .....  | .....        | .....    |
| Yuma        | .....          | .....  | .....      | ..... | .....       | .....  | 9 991        | 2 365    |
| TOTAL STATE | 2 129 554      | 21 244 | 420 758    | 768   | 11 157      | 559    | 688 649      | 81 081   |
|             |                |        |            |       |             |        | ( 174 605    | 19 414)  |
|             |                |        |            |       |             |        | ( 514 044    | 61 677)* |

\*Less than .5 psi overpressure

S T A T E O F M O N T A N A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 832,872  
Land Area: 145,365 square miles

| COUNTY          | VERY HIGH RISK          |       | HIGH RISK                   |       | MEDIUM RISK                 |       | LOW/NO* RISK                 |        |
|-----------------|-------------------------|-------|-----------------------------|-------|-----------------------------|-------|------------------------------|--------|
|                 | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT<br>POPULATION | AREA  | EQ/GT 2PSI LT<br>POPULATION | AREA  | EQ/GT .5PSI LT<br>POPULATION | AREA   |
| Beaverhead      | .....                   | ..... | .....                       | ..... | .....                       | ..... | 8 849                        | 5 529* |
| Big Horn        | .....                   | ..... | .....                       | ..... | .....                       | ..... | 11 639                       | 4 983  |
| Blaine          | 7 056                   | 4 259 | .....                       | ..... | .....                       | ..... | 3 459                        | 1 188* |
| Broadwater      | .....                   | ..... | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Carbon          | .....                   | ..... | .....                       | 8 734 | 2 056                       | ..... | .....                        | .....  |
| Carter          | .....                   | ..... | .....                       | ..... | 1 751                       | 3 342 | .....                        | .....  |
| Cascade         | 82 077                  | 2 699 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Chouteau        | 6 186                   | 3 988 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Custer          | .....                   | ..... | .....                       | ..... | .....                       | ..... | 13 535                       | 3 776* |
| Daniels         | .....                   | ..... | .....                       | ..... | .....                       | ..... | 2 758                        | 1 427* |
| Dawson          | .....                   | ..... | .....                       | ..... | .....                       | ..... | 12 939                       | 2 347* |
| Deer Lodge      | .....                   | ..... | .....                       | ..... | .....                       | ..... | 10 873                       | 740*   |
| Fallon          | .....                   | ..... | .....                       | ..... | .....                       | ..... | 3 767                        | 1 623* |
| Fergus          | 12 880                  | 4 340 | .....                       | ..... | .....                       | ..... | 54 349                       | 5 112* |
| Flathead        | .....                   | ..... | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Gallatin        | .....                   | ..... | .....                       | ..... | .....                       | ..... | 48 749                       | 2 510* |
| Garfield        | .....                   | ..... | .....                       | ..... | .....                       | ..... | 1 704                        | 4 491* |
| Glacier         | 11 450                  | 2 995 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Golden Valley   | 1 114                   | 1 172 | .....                       | ..... | .....                       | ..... | 2 841                        | 1 729* |
| Granite         | .....                   | ..... | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Hill            | .....                   | ..... | .....                       | ..... | .....                       | ..... | 18 678                       | 2 897* |
| Jefferson       | .....                   | ..... | .....                       | ..... | 8 286                       | 1 656 | .....                        | .....  |
| Judith Basin    | 2 716                   | 1 871 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Lake            | .....                   | ..... | .....                       | ..... | .....                       | ..... | 20 728                       | 1 493  |
| Lewis and Clark | 46 434                  | 3 461 | .....                       | ..... | .....                       | ..... | .....                        | .....  |

\*Less than .5 psi overpressure

STATE OF MONTANA (Continued)

| COUNTY       | VERY HIGH RISK |       | HIGH RISK  |      | MEDIUM RISK |       | LOW/NO* RISK |        |
|--------------|----------------|-------|------------|------|-------------|-------|--------------|--------|
|              | POPULATION     | AREA  | POPULATION | AREA | POPULATION  | AREA  | POPULATION   | AREA   |
| Liberty      | 2 597          | 1 427 |            |      |             |       | 18 885       | 3 616* |
| Lincoln      |                |       |            |      |             |       | 2 703        | 2 626  |
| McCone       |                |       |            |      |             |       | 5 933        | 3 590* |
| Madison      |                |       |            |      |             |       | 2 247        | 2 392  |
| Meagher      |                |       |            |      |             |       |              |        |
| Mineral      |                |       |            |      |             |       | 3 694        | 1 216* |
| Missoula     | 76 535         | 2 582 |            |      |             |       | 4 373        | 1 871* |
| Musselshell  |                |       |            |      |             |       | 13 373       | 2 665  |
| Park         |                |       |            |      |             |       | 676          | 1 652  |
| Petroleum    |                |       |            |      |             |       |              |        |
| Phillips     |                |       |            |      | 5 756       | 5 131 |              |        |
| Pondera      | 7 155          | 1 632 |            |      |             |       | 2 471        | 3 288* |
| Powder River |                |       |            |      |             |       | 6 849        | 2 329  |
| Powell       |                |       |            |      |             |       | 1 873        | 1 732* |
| Prairie      |                |       |            |      |             |       |              |        |
| Ravalli      |                |       |            |      |             |       | 25 404       | 2 384  |
| Richland     |                |       |            |      |             |       | 14 890       | 2 081* |
| Roosevelt    | 11 848         | 2 357 |            |      |             |       | 13 959       | 5 019* |
| Rosebud      |                |       |            |      |             |       | 9 326        | 2 749* |
| Sanders      |                |       |            |      |             |       |              |        |
| Sheridan     | 6 072          | 1 681 |            |      |             |       | 34 471       | 719*   |
| Silver Bow   |                |       |            |      |             |       |              |        |
| Stillwater   |                |       |            |      | 6 114       | 1 793 |              |        |
| Sweetgrass   |                |       |            |      |             |       | 3 321        | 1 856* |
| Teton        | 6 424          | 2 275 |            |      |             |       |              |        |
| Toole        | 5 784          | 1 931 |            |      |             |       | 1 019        | 975*   |
| Treasure     |                |       |            |      |             |       |              |        |
| Valley       | 9 916          | 4 936 |            |      |             |       |              |        |
| Wheatland    | 2 291          | 1 419 |            |      |             |       | 1 496        | 888*   |
| Wibaux       |                |       |            |      |             |       |              |        |

\*Less than .5 psi overpressure

STATE OF MONTANA (Continued)

| COUNTY               | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|----------------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Yellowstone          | 121 398                      | 2 624                  |                         |                   |                           |                     |                            |                      |
| Yellowstone National | 66                           | 245                    |                         |                   |                           |                     |                            |                      |
| TOTAL STATE          | 419 999                      | 47 939                 | ---                     | ---               | 30 641                    | 13 978              | 382 232                    | 83 448               |
|                      |                              |                        |                         |                   |                           |                     | ( 83 619                   | 20 524)              |
|                      |                              |                        |                         |                   |                           |                     | ( 298 613                  | 62 924)*             |

\*Less than .5 psi overpressure

S T A T E O F N O R T H D A K O T A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 697,576  
Land Area: 69,344 square miles

| COUNTY        | VERY HIGH RISK          |       | HIGH RISK                   |       | MEDIUM RISK                 |       | LOW/NO* RISK                 |        |
|---------------|-------------------------|-------|-----------------------------|-------|-----------------------------|-------|------------------------------|--------|
|               | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT<br>POPULATION | AREA  | EQ/GT 2PSI LT<br>POPULATION | AREA  | EQ/GT .5PSI LT<br>POPULATION | AREA   |
| Adams         | .....                   | ..... | .....                       | ..... | .....                       | ..... | 3 494                        | 988    |
| Barnes        | 13 666                  | 1 498 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Benson        | 8 099                   | 1 412 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Billings      | .....                   | ..... | .....                       | ..... | .....                       | ..... | 1 332                        | 1 152* |
| Bottineau     | 9 120                   | 1 668 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Bowman        | .....                   | ..... | .....                       | ..... | .....                       | ..... | 4 334                        | 1 162* |
| Burke         | 3 655                   | 1 118 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Burleigh      | 60 173                  | 1 618 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Cass          | 97 117                  | 1 767 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Cavalier      | 7 029                   | 1 507 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Dickey        | .....                   | ..... | .....                       | ..... | .....                       | ..... | 6 876                        | 1 139* |
| Divide        | 3 200                   | 1 288 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Dunn          | .....                   | ..... | .....                       | ..... | .....                       | ..... | 5 380                        | 1 993* |
| Eddy          | 3 230                   | 634   | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Emmons        | .....                   | ..... | .....                       | ..... | .....                       | ..... | 5 692                        | 1 499* |
| Foster        | .....                   | ..... | .....                       | ..... | .....                       | ..... | 4 564                        | 640    |
| Golden Valley | .....                   | ..... | .....                       | ..... | .....                       | ..... | 2 688                        | 1 003* |
| Grand Forks   | 69 331                  | 1 440 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Grant         | .....                   | ..... | .....                       | ..... | .....                       | ..... | 4 147                        | 1 660* |
| Griggs        | 3 631                   | 780   | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Hettinger     | 3 954                   | 1 133 | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Kidder        | .....                   | ..... | .....                       | ..... | .....                       | ..... | 3 777                        | 1 362* |
| La Moure      | .....                   | ..... | .....                       | ..... | .....                       | ..... | 6 037                        | 1 150* |
| Logan         | .....                   | ..... | .....                       | ..... | .....                       | ..... | 3 203                        | 1 000* |
| McHenry       | 7 432                   | 1 887 | .....                       | ..... | .....                       | ..... | .....                        | .....  |

\*Less than .5 psi overpressure

STATE OF NORTH DAKOTA (Continued)

| COUNTY    | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA  | LOW/NO* RISK<br>POPULATION | AREA   |
|-----------|------------------------------|-------|-------------------------|-------|---------------------------|-------|----------------------------|--------|
| McIntosh  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 4 406                      | 984*   |
| McKenzie  | .....                        | ..... | 8 890                   | 2 754 | .....                     | ..... | .....                      | .....  |
| McLean    | 13 042                       | 2 065 | .....                   | ..... | .....                     | ..... | 16 279                     | 1 044  |
| Mercer    | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Morton    | 27 044                       | 1 920 | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Mountrail | 8 188                        | 1 837 | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Nelson    | 4 946                        | 991   | .....                   | ..... | .....                     | ..... | 2 724                      | 723    |
| Oliver    | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Pembina   | 10 129                       | 1 120 | .....                   | ..... | .....                     | ..... | 5 998                      | 1 037* |
| Pierce    | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Ramsey    | 13 031                       | 1 241 | .....                   | ..... | .....                     | ..... | 6 452                      | 862*   |
| Ransom    | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Renville  | 3 555                        | 874   | .....                   | ..... | .....                     | ..... | 20 230                     | 1 436* |
| Richland  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 13 300                     | 914*   |
| Rolette   | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Sargent   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 5 186                      | 858*   |
| Sheridan  | .....                        | ..... | 2 606                   | 990   | .....                     | ..... | 3 753                      | 1 099* |
| Sioux     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 1 148                      | 1 219* |
| Slope     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 28 911                     | 1 338  |
| Stark     | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Steele    | 2 896                        | 714   | .....                   | ..... | .....                     | ..... | 23 547                     | 2 263* |
| Stutsman  | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Towner    | .....                        | ..... | .....                   | ..... | 4 752                     | 1 036 | .....                      | .....  |
| Traill    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 9 285                      | 861    |
| Walsh     | 15 579                       | 1 290 | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Ward      | 65 495                       | 2 041 | .....                   | ..... | .....                     | ..... | 6 793                      | 1 288* |
| Wells     | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....  |
| Williams  | 28 270                       | 2 047 | .....                   | ..... | .....                     | ..... | .....                      | .....  |

TOTAL STATE 481 812 33 890 11 496 3 744 4 752 1 036 199 516 30 674  
 \*less than .5 psi overpressure ( 65 257 5 394)  
 ( 134 259 25 280)\*

S T A T E O F S O U T H D A K O T A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 708,728  
Land Area: 75,956 square miles

| COUNTY      | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |      |
|-------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|------|
|             | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA |
| Aurora      | .....          | ..... | .....               | .....      | .....              | 3 435      | 707*                |      |
| Beadle      | .....          | ..... | .....               | .....      | .....              | 18 136     | 1 259*              |      |
| Bennett     | .....          | ..... | .....               | .....      | .....              | 3 313      | 1 181*              |      |
| Bon Homme   | .....          | ..... | .....               | .....      | .....              | 7 814      | 552*                |      |
| Brookings   | .....          | ..... | .....               | .....      | .....              | 25 165     | 795*                |      |
| Brown       | .....          | ..... | .....               | .....      | .....              | 36 712     | 1 722*              |      |
| Brule       | .....          | ..... | .....               | .....      | .....              | 5 408      | 815*                |      |
| Buffalo     | .....          | ..... | .....               | .....      | .....              | 1 685      | 476*                |      |
| Butte       | 8 125          | 2 251 | .....               | .....      | .....              | 2 274      | 732*                |      |
| Campbell    | .....          | ..... | .....               | .....      | .....              | .....      | .....               |      |
| Charles Mix | .....          | ..... | .....               | .....      | .....              | 9 719      | 1 090*              |      |
| Clark       | .....          | ..... | .....               | .....      | .....              | 4 950      | 953*                |      |
| Clay        | .....          | ..... | .....               | .....      | .....              | 13 647     | 408*                |      |
| Codington   | .....          | ..... | .....               | .....      | .....              | 22 368     | 695*                |      |
| Corson      | .....          | ..... | .....               | .....      | .....              | 5 243      | 2 467*              |      |
| Custer      | .....          | ..... | .....               | .....      | .....              | 6 795      | 1 559               |      |
| Davison     | .....          | ..... | .....               | .....      | .....              | 17 806     | 436*                |      |
| Day         | .....          | ..... | .....               | .....      | .....              | 7 893      | 1 022*              |      |
| Deuel       | .....          | ..... | .....               | .....      | .....              | 5 203      | 631*                |      |
| Dewey       | .....          | ..... | .....               | .....      | .....              | 5 487      | 2 310*              |      |
| Douglas     | .....          | ..... | .....               | .....      | .....              | 3 894      | 434*                |      |
| Edmunds     | .....          | ..... | .....               | .....      | .....              | 4 933      | 1 149*              |      |
| Fall River  | .....          | ..... | .....               | .....      | .....              | 7 820      | 1 740*              |      |
| Faulk       | .....          | ..... | .....               | .....      | .....              | 3 312      | 1 003*              |      |
| Grant       | .....          | ..... | .....               | .....      | .....              | 9 582      | 681*                |      |

\*Less than .5 psi overpressure



STATE OF SOUTH DAKOTA (Continued)

| COUNTY     | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Gregory    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 871                      | 1 041*               |
| Haakon     | 2 965                        | 1 822                  | .....                   | .....             | .....                     | .....               | 5 251                      | 512*                 |
| Hamlin     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 4 701                      | 1 437*               |
| Hand       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 3 290                      | 433*                 |
| Hanson     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Harding    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 1 889                      | 2 678                |
| Hughes     | 14 830                       | 757                    | .....                   | .....             | .....                     | .....               | 9 045                      | 816*                 |
| Hutchinson | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 1 909                      | 860*                 |
| Hyde       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Jackson    | 3 266                        | 1 872                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Jerault    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 2 728                      | 530*                 |
| Jones      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 1 500                      | 971                  |
| Kingsbury  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 6 493                      | 824*                 |
| Lake       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 002                     | 560*                 |
| Lawrence   | 19 380                       | 800                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Lincoln    | 14 384                       | 578                    | .....                   | .....             | .....                     | .....               | 3 892                      | 1 679                |
| Lyman      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 6 234                      | 576*                 |
| McCook     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 3 766                      | 1 148*               |
| McPherson  | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 5 209                      | 848*                 |
| Marshall   | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Meade      | 21 716                       | 3 481                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Mellette   | 2 365                        | 1 311                  | .....                   | .....             | .....                     | .....               | 3 482                      | 570*                 |
| Miner      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Minnehaha  | 120 296                      | 810                    | .....                   | .....             | .....                     | .....               | 6 964                      | 520*                 |
| Moody      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Pennington | 75 780                       | 2 783                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Perkins    | 4 649                        | 2 885                  | .....                   | .....             | .....                     | .....               | 3 715                      | 869*                 |
| Potter     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 11 063                     | 1 102*               |
| Roberts    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 3 093                      | 569*                 |
| Sanborn    | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |

\*Less than .5 psi overpressure

STATE OF SOUTH DAKOTA (Continued)

| COUNTY   | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA | LOW/NO* RISK<br>POPULATION | AREA   |
|----------|------------------------------|-------|-------------------------|-------|---------------------------|------|----------------------------|--------|
| Shannon  | .....                        |       | .....                   |       | .....                     |      | 11 207                     | 2 094  |
| Spink    | .....                        |       | .....                   |       | .....                     |      | 9 081                      | 1 505* |
| Stanley  | 2 451                        | 1 432 | .....                   |       | .....                     |      |                            |        |
| Sully    | .....                        |       | .....                   |       | .....                     |      | 1 868                      | 972    |
| Todd     | .....                        |       | .....                   |       | .....                     |      | 7 256                      | 1 388* |
| Tripp    | .....                        |       | .....                   |       | .....                     |      | 7 188                      | 1 618* |
| Turner   | .....                        |       | .....                   |       | .....                     |      | 9 126                      | 617    |
| Union    | .....                        |       | .....                   |       | .....                     |      | 10 774                     | 453    |
| Walworth | .....                        |       | .....                   |       | .....                     |      | 6 624                      | 707*   |
| Yankton  | .....                        |       | .....                   |       | .....                     |      | 19 123                     | 518*   |
| Ziebach  | .....                        |       | 2 493                   | 1 969 | .....                     |      |                            |        |

|             |         |        |       |       |     |     |           |          |
|-------------|---------|--------|-------|-------|-----|-----|-----------|----------|
| TOTAL STATE | 290 207 | 20 782 | 2 493 | 1 969 | --- | --- | 416 028   | 53 205   |
|             |         |        |       |       |     |     | ( 47 051  | 10 623)  |
|             |         |        |       |       |     |     | ( 368 977 | 42 582)* |

\*Less than .5 psi overpressure

S T A T E O F U T A H - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 1,698,867  
 Land Area: 82,094 square miles

| COUNTY    | VERY HIGH RISK          |       | HIGH RISK                   |        | MEDIUM RISK                 |      | LOW/NO* RISK                 |        |
|-----------|-------------------------|-------|-----------------------------|--------|-----------------------------|------|------------------------------|--------|
|           | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT<br>POPULATION | AREA   | EQ/GT 2PSI LT<br>POPULATION | AREA | EQ/GT .5PSI LT<br>POPULATION | AREA   |
| Beaver    | 37 769                  | 5 614 |                             |        |                             |      | 5 280                        | 2 586* |
| Box Elder |                         |       |                             |        |                             |      |                              |        |
| Cache     |                         |       |                             | 66 658 | 1 171                       |      |                              |        |
| Carbon    |                         |       |                             |        |                             |      | 26 132                       | 1 479* |
| Daggett   |                         |       |                             |        |                             |      | 856                          | 699*   |
| Davis     | 174 969                 | 299   |                             |        |                             |      |                              |        |
| Duchesne  | 16 271                  | 3 234 |                             |        |                             |      |                              |        |
| Emery     |                         |       |                             |        |                             |      | 13 911                       | 4 449* |
| Garfield  |                         |       |                             |        |                             |      | 4 319                        | 4 449* |
| Grand     |                         |       |                             |        |                             |      | 7 957                        | 3 689  |
| Iron      |                         |       |                             |        |                             |      | 20 357                       | 3 302* |
| Juab      |                         |       |                             |        |                             |      | 6 274                        | 3 396* |
| Kane      |                         |       |                             | 4 509  | 3 898                       |      |                              |        |
| Millard   |                         |       |                             |        |                             |      | 13 762                       | 6 818* |
| Morgan    |                         |       |                             |        |                             |      | 5 285                        | 603    |
| Piute     |                         |       |                             |        |                             |      | 1 476                        | 759*   |
| Rich      |                         |       |                             |        |                             |      | 2 638                        | 1 034* |
| Salt Lake | 716 909                 | 756   |                             |        |                             |      | 12 096                       | 7 725* |
| San Juan  |                         |       |                             |        |                             |      | 17 343                       | 1 586* |
| Sanpete   |                         |       |                             |        |                             |      |                              |        |
| Sevier    |                         |       |                             |        |                             |      | 16 360                       | 1 910* |
| Summit    |                         |       |                             |        |                             |      | 13 230                       | 1 865  |
| Tooele    | 29 408                  | 6 919 |                             |        |                             |      |                              |        |
| Uintah    |                         |       |                             | 29 848 | 4 479                       |      |                              |        |
| Utah      |                         |       |                             |        |                             |      | 246 181                      | 2 018  |

\*Less than .5 psi overpressure

STATE OF UTAH (Continued)

| COUNTY      | VERY HIGH RISK |        | HIGH RISK  |       | MEDIUM RISK |       | LOW/NO* RISK |            |
|-------------|----------------|--------|------------|-------|-------------|-------|--------------|------------|
|             | POPULATION     | AREA   | POPULATION | AREA  | POPULATION  | AREA  | POPULATION   | AREA       |
| Wasatch     | .....          | .....  | .....      | ..... | .....       | ..... | 10 044       | 1 191      |
| Washington  | .....          | .....  | .....      | ..... | .....       | ..... | 34 783       | 2 422*     |
| Wayne       | .....          | .....  | .....      | ..... | .....       | ..... | 2 136        | 2 461*     |
| Weber       | 162 106        | 566    |            |       |             |       |              |            |
| TOTAL STATE | 1 137 432      | 17 388 | 28 848     | 4 479 | 71 167      | 5 069 | 461 420      | 55 158     |
|             |                |        |            |       |             |       | ( 282 697    | ( 9 366)   |
|             |                |        |            |       |             |       | ( 178 723    | ( 45 792)* |

\*Less than .5 psi overpressure

S T A T E O F W Y O M I N G - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 521,570  
Land Area: 97,086 square miles

| COUNTY      | VERY HIGH RISK          |        | HIGH RISK                   |       | MEDIUM RISK                 |       | LOW/NO* RISK                 |        |
|-------------|-------------------------|--------|-----------------------------|-------|-----------------------------|-------|------------------------------|--------|
|             | GT 10 PSI<br>POPULATION | AREA   | EQ/GT 5PSI LT<br>POPULATION | AREA  | EQ/GT 2PSI LT<br>POPULATION | AREA  | EQ/GT .5PSI LT<br>POPULATION | AREA   |
| Albany      | .....                   | .....  | .....                       | ..... | .....                       | ..... | 30 328                       | 4 286  |
| Big Horn    | 12 559                  | 3 139  | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Campbell    | .....                   | .....  | .....                       | ..... | .....                       | ..... | 37 605                       | 4 796* |
| Carbon      | 20 407                  | 7 878  | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Converse    | 15 207                  | 4 271  | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Crook       | .....                   | .....  | 6 058                       | 2 856 | .....                       | ..... | 36 886                       | 9 181* |
| Fremont     | .....                   | .....  | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Goshen      | 12 430                  | 2 186  | .....                       | ..... | .....                       | ..... | 6 119                        | 2 005* |
| Hot Springs | .....                   | .....  | .....                       | ..... | .....                       | ..... | 7 107                        | 4 166* |
| Johnson     | .....                   | .....  | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Laramie     | 73 254                  | 2 864  | .....                       | ..... | .....                       | ..... | 3 358                        | 2 685* |
| Lincoln     | 15 176                  | 4 070  | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Natrona     | 75 746                  | 5 247  | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Niobrara    | .....                   | .....  | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Park        | 25 213                  | 6 936  | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Platte      | 9 369                   | 2 023  | .....                       | ..... | .....                       | ..... | 27 466                       | 2 532* |
| Sheridan    | .....                   | .....  | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Sublette    | .....                   | .....  | .....                       | ..... | 5 572                       | 4 871 | .....                        | .....  |
| Sweetwater  | 45 791                  | 10 352 | .....                       | ..... | .....                       | ..... | 11 553                       | 4 012* |
| Teton       | .....                   | .....  | .....                       | ..... | .....                       | ..... | .....                        | .....  |
| Uinta       | .....                   | .....  | .....                       | ..... | .....                       | ..... | 26 235                       | 2 085* |
| Washakie    | .....                   | .....  | .....                       | ..... | .....                       | ..... | 10 106                       | 2 243* |
| Weston      | 8 025                   | 2 402  | .....                       | ..... | .....                       | ..... | .....                        | .....  |

|             |         |        |                                 |       |       |       |           |          |
|-------------|---------|--------|---------------------------------|-------|-------|-------|-----------|----------|
| TOTAL STATE | 313 177 | 51 368 | 6 058                           | 2 856 | 5 572 | 4 871 | 196 763   | 37 991   |
|             |         |        | * Less than .5 psi overpressure |       |       |       | ( 30 328  | 4 286)   |
|             |         |        |                                 |       |       |       | ( 166 435 | 33 705)* |

F E M A R E G I O N I X - - D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 31,504,342  
 Land Area: 386,970 square miles

| STATE           | VERY HIGH RISK<br>GT 10 PSI            |         | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |      | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |        | LOW RISK<br>EQ/GT .5PSI LT 2PSI |           |
|-----------------|--|---------|----------------------------------|------|-----------------------------------|--------|---------------------------------|-----------|
|                 | POPULATION                             | AREA    | POPULATION                       | AREA | POPULATION                        | AREA   | POPULATION                      | AREA      |
| Arizona         | 2 736 846                              | 66 420  | ---                              | ---  | 123 720                           | 6 851  | 278 422                         | 40 549    |
|                 |  |         |                                  |      |                                   |        | ( 53 418                        | 11 211)   |
|                 |  |         |                                  |      |                                   |        | ( 225 004                       | 29 388)*  |
| California      | 23 833 741                             | 87 405  | ---                              | ---  | 1 192 975                         | 15 170 | 1 079 128                       | 53 700    |
|                 |  |         |                                  |      |                                   |        | ( 728 659                       | 19 776)   |
|                 |  |         |                                  |      |                                   |        | ( 350 469                       | 33 924)*  |
| Hawaii          | .....[DATA AVAILABLE SEPARATELY] ..... |         |                                  |      |                                   |        |                                 |           |
| Nevada          | 837 864                                | 37 489  | ---                              | ---  | 37 553                            | 2 751  | 62 774                          | 69 691    |
|                 |  |         |                                  |      |                                   |        | ( 3 408                         | 3 851)    |
|                 |  |         |                                  |      |                                   |        | ( 59 366                        | 65 840)*  |
| American Samoa  | .....[DATA AVAILABLE SEPARATELY] ..... |         |                                  |      |                                   |        |                                 |           |
| Guam            | .....[DATA AVAILABLE SEPARATELY] ..... |         |                                  |      |                                   |        |                                 |           |
| Trust Territory | .....[DATA AVAILABLE SEPARATELY] ..... |         |                                  |      |                                   |        |                                 |           |
| TOTAL REGION IX | 27 408 451                             | 191 318 | ---                              | ---  | 1 354 248                         | 24 772 | 1 420 324                       | 163 940   |
|                 |  |         |                                  |      |                                   |        | ( 785 485                       | 34 838)   |
|                 |  |         |                                  |      |                                   |        | ( 634 839                       | 129 102)* |

\*Less than .5 psi overpressure

S T A T E O F A R I Z O N A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 3,138 988  
 Land Area: 113,550 square miles

| COUNTY     | VERY HIGH RISK |        | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |        |
|------------|----------------|--------|---------------------|------------|--------------------|------------|---------------------|--------|
|            | POPULATION     | AREA   | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA   |
| Apache     | .....          | .....  | .....               | .....      | .....              | .....      | .....               | .....  |
| Cochise    | 95 247         | 6 219  | .....               | .....      | .....              | .....      | 53 418              | 11 211 |
| Coconino   | 85 381         | 18 608 | .....               | .....      | .....              | .....      | .....               | .....  |
| Gila       | .....          | .....  | .....               | .....      | .....              | .....      | 38 830              | 4 753* |
| Graham     | .....          | .....  | .....               | .....      | .....              | .....      | 23 316              | 4 631* |
| Greenlee   | .....          | .....  | .....               | .....      | .....              | .....      | .....               | .....  |
| Maricopa   | 1 766 060      | 9 127  | .....               | .....      | .....              | .....      | 9 640               | 1 837* |
| Mohave     | 71 818         | 13 285 | .....               | .....      | .....              | .....      | .....               | .....  |
| Navajo     | .....          | .....  | .....               | .....      | .....              | .....      | 72 022              | 9 995* |
| Pima       | 610 597        | 9 187  | .....               | .....      | .....              | .....      | .....               | .....  |
| Pinal      | .....          | .....  | .....               | .....      | 102 303            | 5 343      | .....               | .....  |
| Santa Cruz | .....          | .....  | .....               | .....      | 21 417             | 1 238      | .....               | .....  |
| Yavapai    | .....          | .....  | .....               | .....      | .....              | .....      | .....               | .....  |
| Yuma       | 107 743        | 9 994  | .....               | .....      | .....              | .....      | 81 196              | 8 122* |

|             |           |        |     |     |         |       |           |          |
|-------------|-----------|--------|-----|-----|---------|-------|-----------|----------|
| TOTAL STATE | 2 736 846 | 66 420 | --- | --- | 123 770 | 6 581 | 278 422   | 40 549   |
|             |           |        |     |     |         |       | ( 53 418  | 11 211)  |
|             |           |        |     |     |         |       | ( 225 004 | 29 388)* |

\*Less than .5 psi overpressure

STATE OF CALIFORNIA - - DIRECT EFFECTS RISK

Estimated 1985 Population: 26,105,844  
 Land Area: 156,279 square miles

| COUNTY       | VERY HIGH RISK<br>GT 10 PSI |       | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |      | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |       | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |         |
|--------------|-----------------------------|-------|----------------------------------|------|-----------------------------------|-------|-------------------------------------|---------|
|              | POPULATION                  | AREA  | POPULATION                       | AREA | POPULATION                        | AREA  | POPULATION                          | AREA    |
| Alameda      | 1 190 343                   | 736   |                                  |      |                                   |       | 1 141                               | 739*    |
| Alpine       |                             |       |                                  |      |                                   |       | 22 813                              | 589     |
| Amador       |                             |       |                                  |      |                                   |       | 162 165                             | 1 646   |
| Butte        |                             |       |                                  |      |                                   |       | 26 876                              | 1 021   |
| Calaveras    |                             |       |                                  |      |                                   |       |                                     |         |
| Colusa       |                             |       |                                  |      |                                   |       | 14 543                              | 1 153*  |
| Contra Costa | 708 382                     | 730   |                                  |      |                                   |       |                                     |         |
| Del Norte    | 18 370                      | 1 007 |                                  |      |                                   |       | 102 112                             | 1 715   |
| El Dorado    |                             |       |                                  |      |                                   |       |                                     |         |
| Fresno       | 574 401                     | 5 978 |                                  |      |                                   |       |                                     |         |
| Glenn        |                             |       |                                  |      |                                   |       | 22. 999                             | 1 319*  |
| Humboldt     |                             |       |                                  |      |                                   |       |                                     |         |
| Imperial     | 104 881                     | 4 173 |                                  |      | 112 294                           | 3 579 |                                     |         |
| Inyo         |                             |       |                                  |      |                                   |       | 18 372                              | 10 223* |
| Kern         | 477 128                     | 8 130 |                                  |      |                                   |       |                                     |         |
| Kings        | 83 706                      | 1 392 |                                  |      |                                   |       | 47 940                              | 1 262*  |
| Lake         |                             |       |                                  |      |                                   |       |                                     |         |
| Lassen       | 24 433                      | 4 553 |                                  |      |                                   |       |                                     |         |
| Los Angeles  | 8 006 962                   | 4 070 |                                  |      |                                   |       | 76 585                              | 2 145   |
| Madera       |                             |       |                                  |      |                                   |       |                                     |         |
| Marin        | 224 538                     | 523   |                                  |      |                                   |       | 13 230                              | 1 456   |
| Mariposa     |                             |       |                                  |      |                                   |       |                                     |         |
| Mendocino    | 72 881                      | 3 512 |                                  |      |                                   |       |                                     |         |
| Merced       | 159 970                     | 1 944 |                                  |      |                                   |       | 9 810                               | 4 046*  |
| Modoc        |                             |       |                                  |      |                                   |       |                                     |         |

\*Less than .5 psi overpressure



STATE OF CALIFORNIA (Continued)

| COUNTY          | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|-----------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Mono            | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 9 243                      | 3 019*               |
| Monterey        | 326 370                      | 3 303                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Napa            | .....                        | .....                  | .....                   | .....             | 102 667                   | 744                 | 68 276                     | 960                  |
| Nevada          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Orange          | 2 111 396                    | 798                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Placer          | .....                        | .....                  | .....                   | .....             | 137 111                   | 1 416               | .....                      | .....                |
| Plumas          | .....                        | .....                  | .....                   | .....             | 18 745                    | 2 573               | .....                      | .....                |
| Riverside       | 805 521                      | 7 214                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Sacramento      | 887 649                      | 971                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| San Benito      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 30 158                     | 1 388                |
| San Bernardino  | 1 068 239                    | 20 064                 | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| San Diego       | 2 114 283                    | 4 212                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| San Francisco   | 721 187                      | 46                     | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| San Joaquin     | 411 407                      | 1 415                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| San Luis Obispo | 184 867                      | 3 308                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| San Mateo       | 609 317                      | 447                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Santa Barbara   | 328 764                      | 2 748                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Santa Clara     | 1 390 579                    | 1 293                  | .....                   | .....             | 210 206                   | 446                 | 129 180                    | 3 786*               |
| Santa Cruz      | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Shasta          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Sierra          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 3 403                      | 959                  |
| Siskiyou        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 42 324                     | 6 281                |
| Solano          | 273 235                      | 834                    | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Sonoma          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Stanislaus      | 303 105                      | 1 506                  | .....                   | .....             | 332 912                   | 1 604               | .....                      | .....                |
| Sutter          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 58 181                     | 602                  |
| Tehama          | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 44 142                     | 2 953*               |
| Trinity         | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 13 486                     | 3 190*               |
| Tulare          | .....                        | .....                  | .....                   | .....             | 279 040                   | 4 808               | .....                      | .....                |
| Tuolumne        | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 39 613                     | 2 234*               |

\*Less than .5 psi overpressure

STATE OF CALIFORNIA (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | AREA   | HIGH RISK<br>POPULATION | AREA | MEDIUM RISK<br>POPULATION | AREA   | LOW/NO* RISK<br>POPULATION | AREA     |
|-------------|------------------------------|--------|-------------------------|------|---------------------------|--------|----------------------------|----------|
| Ventura     | 598 564                      | 1 862  |                         |      |                           |        | 122 536                    | 1 014    |
| Yolo        |                              |        |                         |      |                           |        |                            |          |
| Yuba        | 53 263                       | 640    |                         |      |                           |        |                            |          |
| TOTAL STATE | 23 833 741                   | 87 409 | ---                     | ---  | 1 192 975                 | 15 170 | 1 079 128                  | 53 700   |
|             |                              |        |                         |      |                           |        | ( 728 659                  | 19 776)  |
|             |                              |        |                         |      |                           |        | ( 350 469                  | 33 924)* |

\*Less than .5 psi overpressure

S T A T E O F H A W A I I - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 1,057,270  
 Land Area: 6,427 square miles

| COUNTY      | VERY HIGH RISK<br>GT 10 PSI |                             | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |       | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |       | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |       |
|-------------|-----------------------------|-----------------------------|----------------------------------|-------|-----------------------------------|-------|-------------------------------------|-------|
|             | POPULATION                  | AREA                        | POPULATION                       | AREA  | POPULATION                        | AREA  | POPULATION                          | AREA  |
| Hawaii      | .....                       | [DATA AVAILABLE SEPARATELY] | .....                            | ..... | .....                             | ..... | 109 953                             | 4 034 |
| Honolulu    | .....                       | [DATA AVAILABLE SEPARATELY] | .....                            | ..... | .....                             | ..... | 815 900                             | 597   |
| Kalawao     | .....                       | [DATA AVAILABLE SEPARATELY] | .....                            | ..... | .....                             | ..... | 144                                 | 14    |
| Kauai       | .....                       | [DATA AVAILABLE SEPARATELY] | .....                            | ..... | .....                             | ..... | 45 191                              | 620   |
| Maui        | .....                       | [DATA AVAILABLE SEPARATELY] | .....                            | ..... | .....                             | ..... | 86 082                              | 1 162 |
| TOTAL STATE | ---                         | ---                         | ---                              | ---   | ---                               | ---   | 1 057 270                           | 6 427 |

\*Less than .5 psi overpressure

S T A T E O F N E V A D A - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 938,191  
Land Area: 109,895 square miles

| COUNTY            | VERY HIGH RISK<br>GT 10 PSI |        | HIGH RISK<br>EQ/GT 5PSI LT 10PSI |      | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI |       | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI |          |
|-------------------|-----------------------------|--------|----------------------------------|------|-----------------------------------|-------|-------------------------------------|----------|
|                   | POPULATION                  | AREA   | POPULATION                       | AREA | POPULATION                        | AREA  | POPULATION                          | AREA     |
| Churchill         | 14 479                      | 4 990  |                                  |      |                                   |       |                                     |          |
| Clark             | 554 764                     | 7 881  |                                  |      |                                   |       |                                     |          |
| Douglas           |                             |        |                                  |      | 21 345                            | 708   |                                     |          |
| Elko              |                             |        |                                  |      |                                   |       | 21 012                              | 17 135*  |
| Esmeralda         |                             |        |                                  |      |                                   |       | 1 531                               | 3 587    |
| Eureka            |                             |        |                                  |      |                                   |       | 1 342                               | 4 175*   |
| Humboldt          |                             |        |                                  |      |                                   |       | 11 285                              | 9 698*   |
| Lander            |                             |        |                                  |      |                                   |       | 4 455                               | 5 515*   |
| Lincoln           |                             |        |                                  |      |                                   |       | 3 493                               | 10 635*  |
| Lyon              |                             |        |                                  |      | 16 208                            | 2 007 |                                     |          |
| Mineral           |                             |        |                                  |      |                                   |       | 5 961                               | 3 744*   |
| Nye               | 15 772                      | 18 155 |                                  |      |                                   |       |                                     |          |
| Pershing          |                             |        |                                  |      |                                   |       | 3 587                               | 6 036*   |
| Storey            |                             |        |                                  |      |                                   |       | 1 877                               | 264      |
| Washoe            | 215 966                     | 6 317  |                                  |      |                                   |       |                                     |          |
| White Pine        |                             |        |                                  |      |                                   |       | 8 231                               | 8 902*   |
| Carson City (Ind) | 36 883                      | 146    |                                  |      |                                   |       |                                     |          |
| TOTAL STATE       | 837 864                     | 37 489 | ---                              | ---  | 37 553                            | 2 715 | 62 774                              | 69 691   |
|                   |                             |        |                                  |      |                                   |       | ( 3 408                             | 3 851)   |
|                   |                             |        |                                  |      |                                   |       | ( 59 366                            | 65 840)* |

\*Less than .5 psi overpressure

TERRITORY OF AMERICAN SAMOA - - DIRECT EFFECTS RISK

Estimated 1980 Population: 35,000  
 Land Area: 77 square miles

| COUNTY           | VERY HIGH RISK<br>GT 10 PSI<br>POPULATION | AREA                        | HIGH RISK<br>EQ/GT 5PSI LT 10PSI<br>POPULATION | AREA   | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI<br>POPULATION | AREA | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA |
|------------------|---|-----------------------------|--|--------|---|------|---|------|
| Entire Territory | .....                                     | [DATA AVAILABLE SEPARATELY] | .....  | 35 000 | 77  |      |   |      |
| TOTAL TERRITORY  | ---                                       | ---                         | ---  | ---    | ---   | ---  | 35 000  | 77   |

\*Less than .5 psi overpressure

TERRITORY OF GUAM -- DIRECT EFFECTS RISK

Estimated 1985 Population: 112,900  
 Land Area: 209 square miles

| COUNTY           | VERY HIGH RISK<br>GT 10 PSI<br>POPULATION | HIGH RISK<br>EQ/GT 5PSI LT 10PSI<br>POPULATION | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI<br>POPULATION | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA        |
|------------------|---|--|---|---|-------------|
| Entire Territory | .....[DATA AVAILABLE SEPARATELY].....     | .....  | .....   | .....   | 112 900 209 |
| TOTAL TERRITORY  | ---                                       | ---  | ---   | ---   | 112 900 209 |

\*Less than .5 psi overpressure

U . S . T R U S T T E R R I T O R Y - - D I R E C T E F F E C T S R I S K

Estimated 1980 Population: 116,149  
 Land Area: 533 square miles

| COUNTY           | VERY HIGH RISK          |       | HIGH RISK                         |       | MEDIUM RISK                      |       | LOW/NO* RISK                      |      |
|------------------|-------------------------|-------|-----------------------------------|-------|----------------------------------|-------|-----------------------------------|------|
|                  | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT 10PSI<br>POPULATION | AREA  | EQ/GT 2PSI LT 5PSI<br>POPULATION | AREA  | EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA |
| Entire Territory | .....                   | ..... | [DATA AVAILABLE SEPARATELY]       | ..... | .....                            | ..... | 116 149                           | 533  |

TOTAL TERRITORY      ---      ---      ---      ---      ---      ---      116 149      533

\*Less than .5 psi overpressure

F E M A R E G I O N X - - D I R E C T E F F E C T S R I S K S U M M A R Y

Estimated 1985 Population: 8,634,750  
 Land Area: 815,946 square miles

| STATE          | VERY HIGH RISK<br>GT 10 PSI<br>POPULATION | AREA   | HIGH RISK<br>EQ/GT 5PSI LT 10 PSI<br>POPULATION | AREA  | MEDIUM RISK<br>EQ/GT 2PSI LT 5PSI<br>POPULATION | AREA   | LOW/NO* RISK<br>EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA                  |
|----------------|---|--------|---|-------|---|--------|---|-----------------------|
| Alaska         | ..... [DATA AVAILABLE SEPARATELY] .....   |        |   |       |   |        |   |                       |
| Idaho          | 363 270                                   | 8 838  | 22 102  | 468   | 105 730   | 3 336  | 523 179<br>( 144 356)                             | 69 277<br>( 11 652)*  |
| Oregon         | 1 043 460                                 | 14 949 | 45 358  | 741   | 532 016   | 4 639  | 1 063 092<br>( 277 287)                           | 75 858<br>( 10 664)*  |
| Washington     | 3 838 312                                 | 38 943 | ---   | ---   | 63 737  | 2 330  | 500 223<br>( 231 863)                             | 25 239<br>( 13 409)*  |
| TOTAL REGION X | 5 245 042                                 | 62 730 | 67 460  | 1 209 | 701 483   | 10 305 | 2 086 494<br>( 653 506)                           | 170 374<br>( 35 725)* |

\*Less than .5 psi overpressure





S T A T E O F I D A H O - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 1,014,281  
Land Area: 82,414 square miles

| COUNTY     | VERY HIGH RISK |       | HIGH RISK           |            | MEDIUM RISK        |            | LOW/NO* RISK        |        |
|------------|----------------|-------|---------------------|------------|--------------------|------------|---------------------|--------|
|            | POPULATION     | AREA  | EQ/GT 5PSI LT 10PSI | POPULATION | EQ/GT 2PSI LT 5PSI | POPULATION | EQ/GT .5PSI LT 2PSI | AREA   |
| Ada        | 193 281        | 1 052 |                     |            |                    | 3 432      | 1 362*              |        |
| Adams      |                |       |                     |            |                    |            |                     |        |
| Bannock    | 69 355         | 1 112 |                     |            |                    |            |                     |        |
| Bear Lake  |                |       |                     |            |                    | 7 181      | 990                 |        |
| Benevah    |                |       |                     |            |                    | 8 678      | 784                 |        |
| Bingham    |                |       |                     |            | 38 633             | 2 096      |                     |        |
| Blaine     |                |       |                     |            |                    |            | 13 418              | 2 635* |
| Boise      |                |       |                     |            |                    |            | 2 907               | 1 901  |
| Bonner     |                |       |                     |            |                    |            | 26 862              | 1 727* |
| Bonneville | 69 727         | 1 840 |                     |            |                    |            |                     |        |
| Boundary   |                |       |                     |            |                    |            | 7 620               | 1 268* |
| Butte      |                |       |                     |            |                    |            | 3 359               | 2 236* |
| Camas      |                |       |                     |            |                    |            | 765                 | 1 071* |
| Canyon     |                |       |                     |            |                    |            | 88 722              | 584    |
| Caribou    | 8 673          | 1 763 |                     |            |                    |            |                     |        |
| Cassia     |                |       |                     |            |                    |            | 21 278              | 2 560* |
| Clark      |                |       |                     |            |                    |            | 779                 | 1 763* |
| Clearwater |                |       |                     |            |                    |            | 10 291              | 2 236* |
| Custer     |                |       |                     |            |                    |            | 6 866               | 4 927* |
| Elmore     | 22 234         | 3 071 |                     |            |                    |            |                     |        |
| Franklin   |                |       |                     |            |                    |            | 9 856               | 664*   |
| Fremont    |                |       |                     |            |                    |            | 10 996              | 1 852* |
| Gem        |                |       |                     |            |                    |            | 11 460              | 558    |
| Gooding    |                |       |                     |            |                    |            | 12 580              | 728*   |
| Idaho      |                |       |                     |            |                    |            | 14 527              | 8 497* |

\*Less than .5 psi overpressure

STATE OF IDAHO (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | AREA  | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA  | LOW/NO* RISK<br>POPULATION | AREA     |
|-------------|------------------------------|-------|-------------------------|-------|---------------------------|-------|----------------------------|----------|
| Jefferson   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 16 569                     | 1 093    |
| Jerome      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 16 212                     | 601*     |
| Kootenai    | .....                        | ..... | .....                   | ..... | 67 097                    | 1 240 | 30 625                     | 1 077*   |
| Latah       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 7 891                      | 4 564*   |
| Lemhi       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 3 922                      | 478*     |
| Lewis       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 3 756                      | 1 205*   |
| Lincoln     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 22 102                     | 468*     |
| Madison     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 21 531                     | 758*     |
| Minidoka    | .....                        | ..... | .....                   | ..... | .....                     | ..... | 33 254                     | 845*     |
| Nez Perce   | .....                        | ..... | .....                   | ..... | .....                     | ..... | 3 539                      | 1 200*   |
| Oneida      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 8 839                      | 7 643    |
| Owyhee      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 15 937                     | 405*     |
| Payette     | .....                        | ..... | .....                   | ..... | .....                     | ..... | 16 897                     | 2 641*   |
| Power       | .....                        | ..... | 6 852                   | 1 403 | .....                     | ..... | .....                      | .....    |
| Shoshone    | .....                        | ..... | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| Teton       | .....                        | ..... | .....                   | ..... | .....                     | ..... | 3 302                      | 448*     |
| Twin Falls  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 56 904                     | 1 944*   |
| Valley      | .....                        | ..... | .....                   | ..... | .....                     | ..... | 7 000                      | 3 670*   |
| Washington  | .....                        | ..... | .....                   | ..... | .....                     | ..... | 8 572                      | 1 454*   |
| TOTAL STATE | 363 270                      | 8 838 | 22 102                  | 468   | 105 730                   | 3 336 | 523 179                    | 69 277   |
|             |                              |       |                         |       |                           |       | ( 144 356                  | 11 652)  |
|             |                              |       |                         |       |                           |       | ( 378 823                  | 57 625)* |

\*Less than .5 psi overpressure

S T A T E O F O R E G O N - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 2,683,926  
Land Area: 96,187 square miles

| COUNTY     | VERY HIGH RISK          |       | HIGH RISK                   |               | MEDIUM RISK                 |              | LOW/NO* RISK                 |              |
|------------|-------------------------|-------|-----------------------------|---------------|-----------------------------|--------------|------------------------------|--------------|
|            | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT<br>POPULATION | 10PSI<br>AREA | EQ/GT 2PSI LT<br>POPULATION | 5PSI<br>AREA | EQ/GT .5PSI LT<br>POPULATION | 2PSI<br>AREA |
| Baker      | .....                   | ..... | .....                       | .....         | .....                       | .....        | 16 399                       | 3 072*       |
| Benton     | .....                   | ..... | .....                       | .....         | .....                       | .....        | 65 950                       | 679*         |
| Clackamas  | .....                   | ..... | .....                       | .....         | 255 328                     | 1 870        |                              |              |
| Clatsop    | 32 360                  | 805   |                             |               |                             |              |                              |              |
| Columbia   | 37 060                  | 651   |                             |               |                             |              |                              |              |
| Coos       | 60 458                  | 1 606 |                             |               |                             |              |                              |              |
| Crook      | .....                   | ..... | .....                       | .....         | .....                       | .....        | 13 003                       | 2 984*       |
| Curry      | .....                   | ..... | .....                       | .....         | .....                       | .....        | 16 878                       | 1 629        |
| Deschutes  | .....                   | ..... | .....                       | .....         | .....                       | .....        | 65 782                       | 3 025*       |
| Douglas    | .....                   | ..... | .....                       | .....         | .....                       | .....        | 91 809                       | 5 044        |
| Gilliam    | .....                   | ..... | .....                       | .....         | .....                       | .....        | 1 883                        | 1 213*       |
| Grant      | .....                   | ..... | .....                       | .....         | .....                       | .....        | 8 231                        | 4 525*       |
| Harney     | .....                   | ..... | .....                       | .....         | .....                       | .....        | 6 989                        | 10 174*      |
| Hood River | .....                   | ..... | .....                       | .....         | .....                       | .....        | 16 536                       | 521*         |
| Jackson    | .....                   | ..... | .....                       | .....         | .....                       | .....        | 136 961                      | 2 787*       |
| Jefferson  | .....                   | ..... | .....                       | .....         | .....                       | .....        | 12 797                       | 1 789*       |
| Josephine  | .....                   | ..... | .....                       | .....         | .....                       | .....        | 64 672                       | 1 640*       |
| Klamath    | 58 300                  | 5 954 |                             |               |                             |              |                              |              |
| Lake       | .....                   | ..... | .....                       | .....         | .....                       | .....        | 7 880                        | 8 251*       |
| Lane       | .....                   | ..... | .....                       | .....         | .....                       | .....        | 264 127                      | 4 562*       |
| Lincoln    | .....                   | ..... | .....                       | .....         | .....                       | .....        | 37 132                       | 980          |
| Linn       | .....                   | ..... | .....                       | .....         | .....                       | .....        | 90 056                       | 2 296        |
| Malheur    | .....                   | ..... | .....                       | .....         | .....                       | .....        | 29 073                       | 9 861*       |
| Marion     | 211 140                 | 1 184 |                             |               |                             |              |                              |              |
| Morrow     | .....                   | ..... | .....                       | .....         | 7 813                       | 2 044        |                              |              |

\*Less than .5 psi overpressure

STATE OF OREGON (Continued)

| COUNTY      | VERY HIGH RISK<br>POPULATION | VERY HIGH RISK<br>AREA | HIGH RISK<br>POPULATION | HIGH RISK<br>AREA | MEDIUM RISK<br>POPULATION | MEDIUM RISK<br>AREA | LOW/NO* RISK<br>POPULATION | LOW/NO* RISK<br>AREA |
|-------------|------------------------------|------------------------|-------------------------|-------------------|---------------------------|---------------------|----------------------------|----------------------|
| Multnomah   | 561 570                      | 431                    |                         |                   |                           |                     |                            |                      |
| Polk        | .....                        | .....                  | 45 358                  | 741               | .....                     | .....               | 2 294                      | 827*                 |
| Sherman     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Tillamook   | 21 679                       | 1 101                  |                         |                   |                           |                     |                            |                      |
| Umatilla    | 60 893                       | 3 217                  |                         |                   |                           |                     |                            |                      |
| Union       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 24 745                     | 2 036*               |
| Wallowa     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 7 595                      | 3 150*               |
| Wasco       | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 22 521                     | 2 385*               |
| Washington  | .....                        | .....                  | .....                   | .....             | 268 875                   | 725                 | 1 489                      | 1 713*               |
| Wheeler     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | .....                      | .....                |
| Yamhill     | .....                        | .....                  | .....                   | .....             | .....                     | .....               | 58 290                     | 715                  |
| TOTAL STATE | 1 043 460                    | 14 949                 | 45 358                  | 741               | 532 016                   | 4 639               | 1 063 092                  | 75 858               |
|             |                              |                        |                         |                   |                           |                     | ( 277 287                  | 10 664)              |
|             |                              |                        |                         |                   |                           |                     | ( 785 885                  | 65 194)*             |

\*Less than .5 psi overpressure

S T A T E O F W A S H I N G T O N - - D I R E C T E F F E C T S R I S K

Estimated 1985 Population: 4,402,272  
Land Area: 66,512 square miles

| COUNTY       | VERY HIGH RISK          |       | HIGH RISK                         |      | MEDIUM RISK                      |       | LOW/NO* RISK                      |        |
|--------------|-------------------------|-------|-----------------------------------|------|----------------------------------|-------|-----------------------------------|--------|
|              | GT 10 PSI<br>POPULATION | AREA  | EQ/GT 5PSI LT 10PSI<br>POPULATION | AREA | EQ/GT 2PSI LT 5PSI<br>POPULATION | AREA  | EQ/GT .5PSI LT 2PSI<br>POPULATION | AREA   |
| Adams        |                         |       |                                   |      |                                  |       | 13 664                            | 1 922  |
| Asotin       |                         |       |                                   |      |                                  |       | 17 309                            | 635*   |
| Benton       | 113 359                 | 1 715 |                                   |      |                                  |       |                                   |        |
| Chelan       |                         |       |                                   |      |                                  |       | 49 587                            | 2 915* |
| Clallam      | 52 381                  | 1 753 |                                   |      |                                  |       |                                   |        |
| Clark        | 207 459                 | 627   |                                   |      |                                  |       |                                   |        |
| Columbia     |                         |       |                                   |      |                                  |       | 4 031                             | 864*   |
| Cowlitz      | 79 164                  | 1 139 |                                   |      |                                  |       |                                   |        |
| Douglas      |                         |       |                                   |      |                                  |       | 24 068                            | 1 817* |
| Ferry        |                         |       |                                   |      |                                  |       | 6 023                             | 2 200* |
| Franklin     |                         |       |                                   |      | 36 914                           | 1 243 |                                   |        |
| Garfield     |                         |       |                                   |      |                                  |       | 2 567                             | 706*   |
| Grant        | 52 678                  | 2 660 |                                   |      |                                  |       |                                   |        |
| Grays Harbor |                         |       |                                   |      |                                  |       | 64 224                            | 1 918  |
| Island       | 48 374                  | 212   |                                   |      |                                  |       |                                   |        |
| Jefferson    | 17 748                  | 1 805 |                                   |      |                                  |       |                                   |        |
| King         | 1 337 360               | 2 128 |                                   |      |                                  |       |                                   |        |
| Kitsap       | 169 172                 | 393   |                                   |      |                                  |       |                                   |        |
| Kittitas     |                         |       |                                   |      |                                  |       | 25 016                            | 2 308  |
| Klickitat    |                         |       |                                   |      |                                  |       | 16 603                            | 1 880* |
| Lewis        |                         |       |                                   |      |                                  |       | 57 735                            | 2 409* |
| Lincoln      |                         |       |                                   |      |                                  |       | 9 627                             | 2 310  |
| Mason        |                         |       |                                   |      |                                  |       | 35 586                            | 961    |
| Okanogan     |                         |       |                                   |      |                                  |       | 33 037                            | 5 281* |
| Pacific      |                         |       |                                   |      | 17 922                           | 908   |                                   |        |

\*Less than .5 psi overpressure

STATE OF WASHINGTON (Continued)

| COUNTY       | VERY HIGH RISK<br>POPULATION | AREA   | HIGH RISK<br>POPULATION | AREA  | MEDIUM RISK<br>POPULATION | AREA  | LOW/NO* RISK<br>POPULATION | AREA     |
|--------------|------------------------------|--------|-------------------------|-------|---------------------------|-------|----------------------------|----------|
| Pend Oreille | .....                        | .....  | .....                   | ..... | .....                     | ..... | 8 902                      | 1 400*   |
| Pierce       | 523 288                      | 1 675  | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| San Juan     | .....                        | .....  | .....                   | ..... | 8 901                     | 179   | .....                      | .....    |
| Skagit       | 70 097                       | 1 735  | .....                   | ..... | .....                     | ..... | 7 467                      | 1 672*   |
| Skamania     | .....                        | .....  | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| Snohomish    | 375 615                      | 2 098  | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| Spokane      | 355 552                      | 1 764  | .....                   | ..... | .....                     | ..... | 31 565                     | 2 468    |
| Stevens      | .....                        | .....  | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| Thurston     | 141 832                      | 727    | .....                   | ..... | .....                     | ..... | 3 681                      | 261      |
| Wahkiakum    | .....                        | .....  | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| Walla Walla  | .....                        | .....  | .....                   | ..... | .....                     | ..... | 48 500                     | 1 261    |
| Whatcom      | 113 087                      | 2 125  | .....                   | ..... | .....                     | ..... | 41 031                     | 2 151*   |
| Whitman      | .....                        | .....  | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| Yakima       | 181 146                      | 4 287  | .....                   | ..... | .....                     | ..... | .....                      | .....    |
| TOTAL STATE  | 3 838 312                    | 38 943 | ---                     | ---   | 63 737                    | 2 330 | 500 223                    | 25 239   |
|              |                              |        |                         |       |                           |       | ( 231 863                  | 13 409)  |
|              |                              |        |                         |       |                           |       | ( 208 360                  | 23 930)* |

\*Less than .5 psi overpressure