

OUR SHAKING PLANET

FREQUENCY OF RICHTER SCALE MAGNITUDES

| Magnitude | Description | Average frequency per year |
|-----------|-------------|----------------------------|
| 8 or more | Great | 1 |
| 7-7.9 | Major | 18 |
| 6-6.9 | Strong | 120 |
| 5-5.9 | Moderate | 800 |
| 4-4.9 | Light | 6200 |
| 3-3.9 | Minor | 49,000 |
| 2-2.9 | Very minor | 52,000 |
| 1-1.9 | Very minor | 416,000 |

- Source: US Geological Survey

SUPER "9+" EARTHQUAKES

IN THE LAST 100 YEARS

| | | |
|------|-----------|-----|
| 1908 | Italy | 9.0 |
| 1952 | Russia | 9.0 |
| 1957 | Alaska | 9.1 |
| 1960 | Chile | 9.5 |
| 1964 | Alaska | 9.2 |
| 2004 | Indonesia | 9.0 |

SOME OF THE WORLD'S GREATEST QUAKES

| | | |
|------|--------------------------|----------------|
| 856 | GREECE | killed 45,000 |
| 1556 | CHINA | killed 830,000 |
| 1737 | CALCUTTA | killed 300,000 |
| 1755 | LISBON | killed 60,000 |
| 1819 | GUJARAT 8.0 | killed 2,000 |
| 1883 | DUTCH INDIES | killed 36,000 |
| 1897 | SHILLONG Plateau 8.7 | killed 542 |
| 1902 | MARTINIQUE | killed 40,000 |
| 1905 | HIMALAYAS 8.0 | killed 20,000 |
| 1906 | SAN FRANCISCO 8.3 | killed 3000? |
| 1908 | ITALY 9.0 | killed 100,000 |
| 1915 | ITALY | killed 29,900 |
| 1920 | CHINA | killed 180,000 |
| 1922 | JAPAN 7.9 | killed 143,000 |
| 1923 | JAPAN 8.3 | killed 140,000 |
| 1927 | CHINA | killed 200,000 |
| 1932 | CHINA | killed 70,000 |
| 1933 | JAPAN 8.1 | killed 3,064 |
| 1934 | INDO-NEPAL 8.3 | killed 10,000 |
| 1935 | QUETTA, India 7.5 | killed 50,000 |
| 1939 | CHILE 8.3 | killed 28,000 |
| 1939 | TURKEY 7.9 | killed 33,000 |
| 1950 | ASSAM 8.5 | killed 532 |
| 1952 | RUSSIA 9.0 | killed ??? |
| 1957 | ALASKA 9.1 | killed ??? |
| 1960 | MOROCCO 5.7 | killed 12,000 |
| 1960 | CHILE 9.5 (30ft tsunami) | killed 5,700 |
| 1962 | IRAN | killed 10,000 |
| 1963 | MACEDONIA 6.9 | killed 1,000 |
| 1964 | ALASKA 9.2 | killed 114 |
| 1968 | IRAN | killed 11,500 |
| 1970 | PERU | killed 66,700 |
| 1972 | IRAN 7.9 | killed 5,000 |
| 1972 | NICARAGUA 6.5 | killed 10,000 |
| 1976 | GUATEMALA 7.5 | killed 22,778 |
| 1976 | Tangshan, CHINA 8.2 | killed 240,000 |
| 1978 | IRAN 7.7 | killed 25,000 |
| 1980 | ALGERIA 7.5 | killed 20,000 |
| 1985 | MEXICO 8.1 | killed 9,500 |
| 1988 | ARMENIA 6.9 | killed 25,000 |
| 1990 | IRAN 7.7 | killed 50,000 |
| 1993 | LATUR, India 6.4 | killed 10,000 |
| 1995 | KOBE, Japan 7.2 | killed 6,000 |
| 1995 | SAKHALIN, E. RUSSIA 7.5 | killed 2,000 |
| 1998 | AFGHAN & TAJIK 6.9 | killed 5,000 |

| | | |
|------|----------------------|-----------------|
| 1999 | COLOMBIA 6.0 | killed 1,171 |
| 1999 | TURKEY 7.4 | killed 17,000 |
| 1999 | TAIWAN 7.6 | killed 2400 |
| 2001 | GUJARAT 7.9 | killed 30,000 |
| 2002 | AFGHANISTAN 5.8 | killed 1000 |
| 2003 | ALGERIA 6.8 | killed 2300 |
| 2003 | BAM, IRAN 6.5 | killed 41,000 |
| 2003 | JAPAN 8.3 | killed ??? |
| 2004 | INDONESIA 9.0 | killed 150,000+ |
| 2005 | PAKISTAN/KASHMIR 7.6 | killed 74,000 |