

Table 1. National priorities for allocation of structure instrumentation resources based on estimates annual population exposure to 0.1g and a combined index of annualized loss from earthquakes (AE and an estimate of annualized seismic risk (AELR; see text).

Region	Pop. Exp. to pga > 0.1g			AEL			AELR			# 30-Channel
	Pop.	% *	# Struc.	(x\$1,000)	% *	# Struc.	\$/M	%*	# Struc.	Structures
California ANSS Region-1										
California **	882400	85.6	257	3261751	73.9	222	2049	19.5	58	186
<i>Subtotal</i>	<i>882400</i>	<i>85.6</i>	<i>257</i>	<i>3261751</i>	<i>73.9</i>	<i>222</i>	<i>2049</i>	<i>19.5</i>	<i>58</i>	<i>186</i>
Pacific Northwest ANSS Region -2										
Washington	39348	4.0	12	227860	5.2	15	878	8.4	25	13
Oregon	10056	1.0	3	167496	3.8	11	1063	10.1	30	13
<i>Subtotal</i>	<i>49404</i>	<i>5.0</i>	<i>15</i>	<i>395356</i>	<i>9.0</i>	<i>27</i>	<i>1941</i>	<i>18.5</i>	<i>55</i>	<i>26</i>
Intermountain ANSS Region -3										
Nevada	3534	0.4	1	55041	1.2	4	835	7.9	24	10
Utah	8385	0.8	3	51448	1.2	3	792	7.5	23	9
Arizona	190	0.0	0	20602	0.5	1	121	1.2	3	1
New Mexicc	999	0.1	0	17729	0.4	1	274	2.6	8	3
Montana	937	0.1	0	15609	0.4	1	365	3.5	10	4
Idaho	786	0.1	0	7986	0.2	1	172	1.6	5	2
Colorado	56	0.0	0	5791	0.1	0	34	0.3	1	0
Wyoming				3269	0.1	0	164	1.6	5	2
<i>Subtotal</i>	<i>14887</i>	<i>1.5</i>	<i>5</i>	<i>177475</i>	<i>4.0</i>	<i>12</i>	<i>2757</i>	<i>26.2</i>	<i>79</i>	<i>33</i>
Mid America ANNS Region -4										
Tennessee	4229	0.4	1	52117	1.2	4	245	2.3	7	3
Missouri	3579	0.4	1	38400	0.9	3	153	1.5	4	2
Illinois	4447	0.4	1	35585	0.8	2	58	0.6	2	2
Kentucky	977	0.1	0	18680	0.4	1	116	1.1	3	1
Arkansas	1498	0.2	0	16669	0.4	1	171	1.6	5	2
Indiana	450	0.0	0	11991	0.3	1	44	0.4	1	1
Ohio	366	0.0	0	8169	0.2	1	15	0.1	0	0
Mississippi				5214	0.1	0	54	0.5	2	1
Oklahoma	62	0.0	0	4681	0.1	0	32	0.3	1	0
Texas				722	0.0	0	1	0.0	0	0
Louisiana				622	0.0	0	4	0.0	0	0
Michigan				300	0.0	0	1	0.0	0	0
Kansas				294	0.0	0	2	0.0	0	0
Wisconsin				121	0.0	0	1	0.0	0	0
Nebraska				93	0.0	0	1	0.0	0	0
Iowa				27	0.0	0	1	0.0	0	0
South Dakota				25	0.0	0	1	0.0	0	0
Minnesota				10	0.0	0	1	0.0	0	0
North Dakota				10	0.0	0	1	0.0	0	0
<i>Subtotal</i>	<i>15608</i>	<i>2</i>	<i>5</i>	<i>193730</i>	<i>4</i>	<i>13</i>	<i>900</i>	<i>9</i>	<i>26</i>	<i>13</i>
East-Northeast ANSS Region -5										
New York	9324	0.9	3	83987	1.9	6	90	0.9	3	5
South Caroli	1871	0.2	1	41812	0.9	3	69	0.7	2	2
New Jersey	8979	0.9	3	38655	0.9	3	88	0.8	3	2
Massachuse	2133	0.2	1	24896	0.6	2	68	0.6	2	1
Georgia	405	0.0	0	22908	0.5	2	86	0.8	2	1
Pennsylvania	2388	0.2	1	21906	0.5	1	35	0.3	1	1
North Carolin	32	0.0	0	18742	0.4	1	69	0.7	2	1
Connecticut	866	0.1	0	12189	0.3	1	62	0.6	2	1
Virginia	375	0.0	0	8640	0.2	1	34	0.3	1	0

Alabama				8422	0.2	1	52	0.5	1	1
New Hampst	250	0.0	0	6828	0.2	0	114	1.1	3	1
Maine				5122	0.1	0	80	0.8	2	1
Maryland	310	0.0	0	3952	0.1	0	18	0.2	1	0
Vermont				3446	0.1	0	120	1.1	3	1
Rhode Island				2449	0.1	0	42	0.4	1	1
West Virgini:	989280			2411	0.1	0	30	0.3	1	0
Delaware				1467	0.0	0	40	0.4	1	0
Florida				922	0.0	0	1	0.0	0	0
Dist of Colum	48	0.0	0	911	0.0	0	23	0.2	1	0
<i>Subtotal</i>	<i>1016261</i>	<i>3</i>	<i>8</i>	<i>309665</i>	<i>7</i>	<i>21</i>	<i>1121</i>	<i>11</i>	<i>32</i>	<i>22</i>
Alaska ANSS Region -6										
Alaska		2.3	7	42353	1.0	3	1165	11.1	33	14
<i>Subtotal</i>				<i>42353</i>	<i>1.0</i>	<i>3</i>	<i>1165</i>	<i>11.1</i>	<i>33</i>	<i>14</i>
Hawaii ANSS Region -7										
Hawaii		1.4	4	34935	0.8	2	581	5.5	17	7
<i>Subtotal</i>				<i>34935</i>	<i>0.8</i>	<i>2</i>	<i>581</i>	<i>5.5</i>	<i>17</i>	<i>7</i>
Total	1978560	100	300	4415265	100	300	10514	100	300	300

* % of total.

** Number of structures is based on a total number of 300-30 channel structures as indicated in ANSS plan.

*** Population exposure percentage for California reduced by % assigned to Alaska and Hawaii.

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