

Table C7-1 (Continued)

Location	Ground Snow Load (lb/ft ²)			Location	Ground Snow Load (lb/ft ²)		
	Years of record	Maximum observed	2% Annual probability ^a		Years of record	Maximum observed	2% Annual probability ^a
Huron	40	41	46	Roanoke	40	14	20
Rapid City	40	14	15	WASHINGTON			
Sioux Falls	39	40	40	Olympia	40	23	22
TENNESSEE				Quillayute	25	21	15
Bristol	40	7	9	Seattle-Tacoma	40	15	18
Chattanooga	40	6	6	Spokane	40	36	42
Knoxville	40	10	9	Stampede Pass	36	483	516
Memphis	40	7	6	Yakima	39	19	30
Nashville	40	6	9	WEST VIRGINIA			
TEXAS				Beckley	20	20	30
Abilene	40	6	6	Charleston	38	21	18
Amarillo	39	15	10	Elkins	32	22	18
UTAH				Huntington	30	15	19
Milford	23	23	14	WISCONSIN			
Salt Lake City	40	11	11	Green Bay	40	37	36
Wendover	13	2	3	La Crosse	16	23	32
VERMONT				Madison	40	32	35
Burlington	40	43	36	Milwaukee	40	34	29
VIRGINIA				WYOMING			
Dulles Airport	29	15	23	Casper	40	9	10
Lynchburg	40	13	18	Cheyenne	40	18	18
National Airport	40	16	22	Lander	39	26	24
Norfolk	38	9	10	Sheridan	40	20	23
Richmond	40	11	16				

^aIt is not appropriate to use only the site-specific information in this table for design purposes. Reasons are given in Section C7.2.

NOTE: To convert lb/ft² to kN/m², multiply by 0.0479.

Table C7-2 Comparison of Some Site-Specific Values and Zoned Values in Fig. 7.1

State	Location	Elevation ft (m)	Zoned Value lb/ft ² (kN/m ²)	Case Study Value ^a lb/ft ² (kN/m ²)
California	Mount Hamilton	4,210 (1,283)	0 to 2,400 ft (732 m)	30 (1.44)
			0 to 3,500 ft (1,067 m)	
Arizona	Palisade Ranger Station	7,950 (2,423)	5 to 4,600 ft (0.24 to 1,402 m)	120 (5.75)
			10 to 5,000 ft (0.48 to 1,524 m)	
Tennessee	Monteagle	1,940 (591)	10 to 1,800 ft (0.48 to 549 m)	15 (0.72)
Maine	Sunday River Ski Area	900 (274)	90 to 700 ft (4.31 to 213 m)	100 (4.79)

^aBased on a detailed study of information in the vicinity of each location.

Table C7-3 Factors for Converting from Other Annual Probabilities of Being Exceeded, and Other Mean Recurrence Intervals, to That Used in This Standard

Annual Probability of Being Exceeded (%)	Mean Recurrence Interval (yr)	Multiplication Factor
10	10	1.82
4	25	1.20
3.3	30	1.15
1	100	0.82