

Table 1: An example of entries in the 1997 UBC Seismic Zone table with corresponding C_a and C_v and converted S_{DS} and S_{D1} values (Method 1).

Location	Appendix Ch. 16 Seismic Zone	Assumed Site Class	C_a	C_v	$S_{DS} = 2.5C_a$	$S_{D1} = C_v$
Mexico: Mazatlan	2A	D	0.22	0.32	0.55	0.32
Mexico: Mexico City	3	E	0.36	0.84	0.90	0.84