

## Site Information Sources

- Vs30 Method:  
Downhole
- According to:  
USGS (1994) In-situ Measurements of Seismic Velocity at 27 Locations in the Los Angeles, California Region, OFR 80-378
- Site Class was determined by:  
Vs30 value according to the site class definition table below.

<b>Site Class Definitions</b>		
<b>Site Class</b>	<b>Soil Profile Description</b>	<b>Average Soil Shear Wave Velocity in Top 100 ft (30 m), <math>V_{s30}</math></b>
A	Hard rock	$V_{s30} > 5,000$ ft/s ( $V_{s30} > 1,500$ m/s)
B	Rock	$2,500 < V_{s30} \leq 5,000$ ft/s ( $760 < V_{s30} \leq 1,500$ m/s)
C	Very dense soil and soft rock	$1,200 < V_{s30} \leq 2,500$ ft/s ( $360 < V_{s30} \leq 760$ m/s)
D	Stiff soil	$600 \leq V_{s30} \leq 1,200$ ft/s ( $180 \leq V_{s30} \leq 360$ m/s)
E	Soft clay soil	$V_{s30} < 600$ ft/s ( $V_{s30} < 180$ m/s)
F	Soils requiring site response analysis	--
<b>Notes:</b> 1) In cases where the $V_{s30}$ value is near the lower boundary of a Site Class (within 5%) , the Site Class is noted as A/B, B/C, C/D or D/E . 2) Excerpted from Table 20.3-1 in Chapter 20 of ASCE 7-10.		