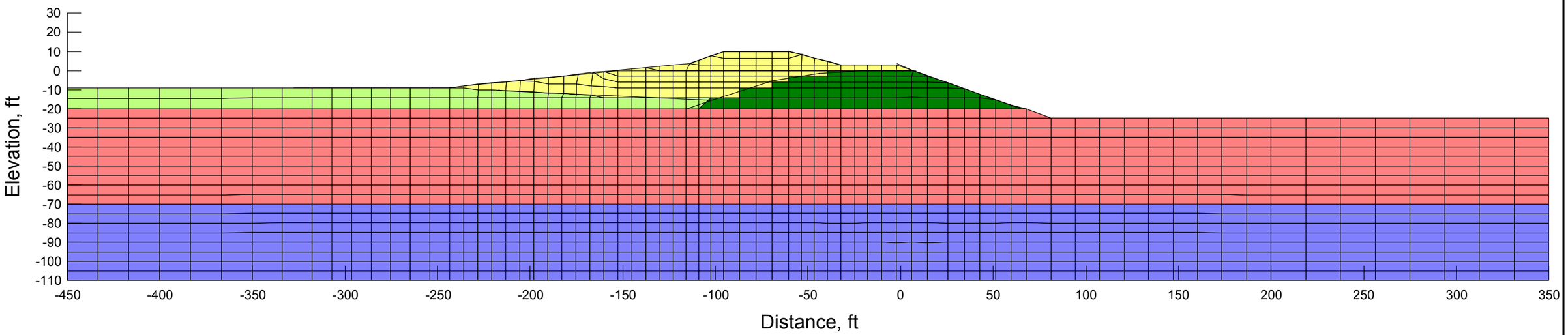

DELTA WETLANDS PROJECT IN-DELTA STORAGE FEASIBILITY STUDY		FINITE ELEMENT MODEL FOR SEISMIC ANALYSIS CROSS SECTION I (PEAT AT -20 FT)	Figure 1
URS	December 2002 Project # 26814105		

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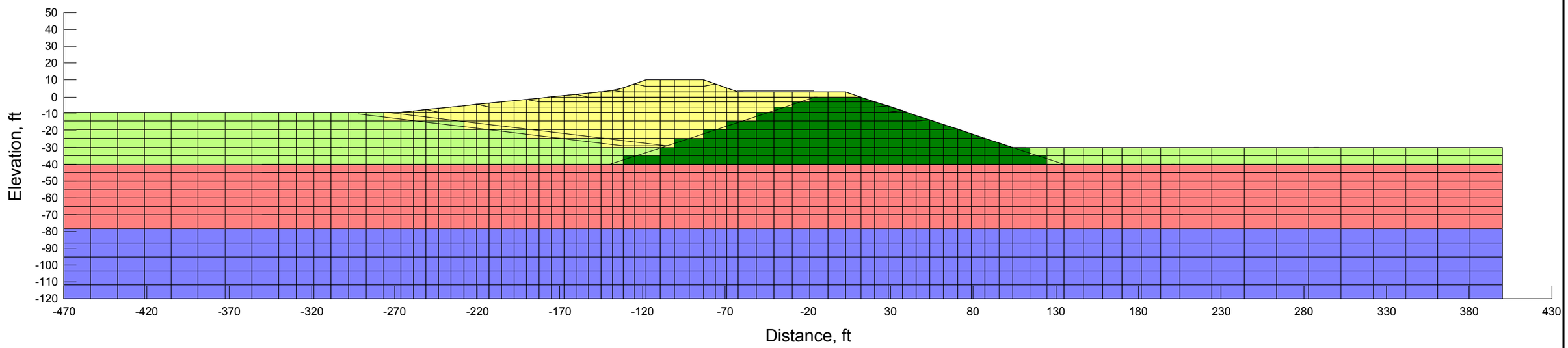

IN-DELTA STORAGE PROJECT		FINITE ELEMENT MODEL FOR SEISMIC ANALYSIS CROSS SECTION II (PEAT AT -40 FT)	Figure 2
URS	December 2002 Project # 26814105		

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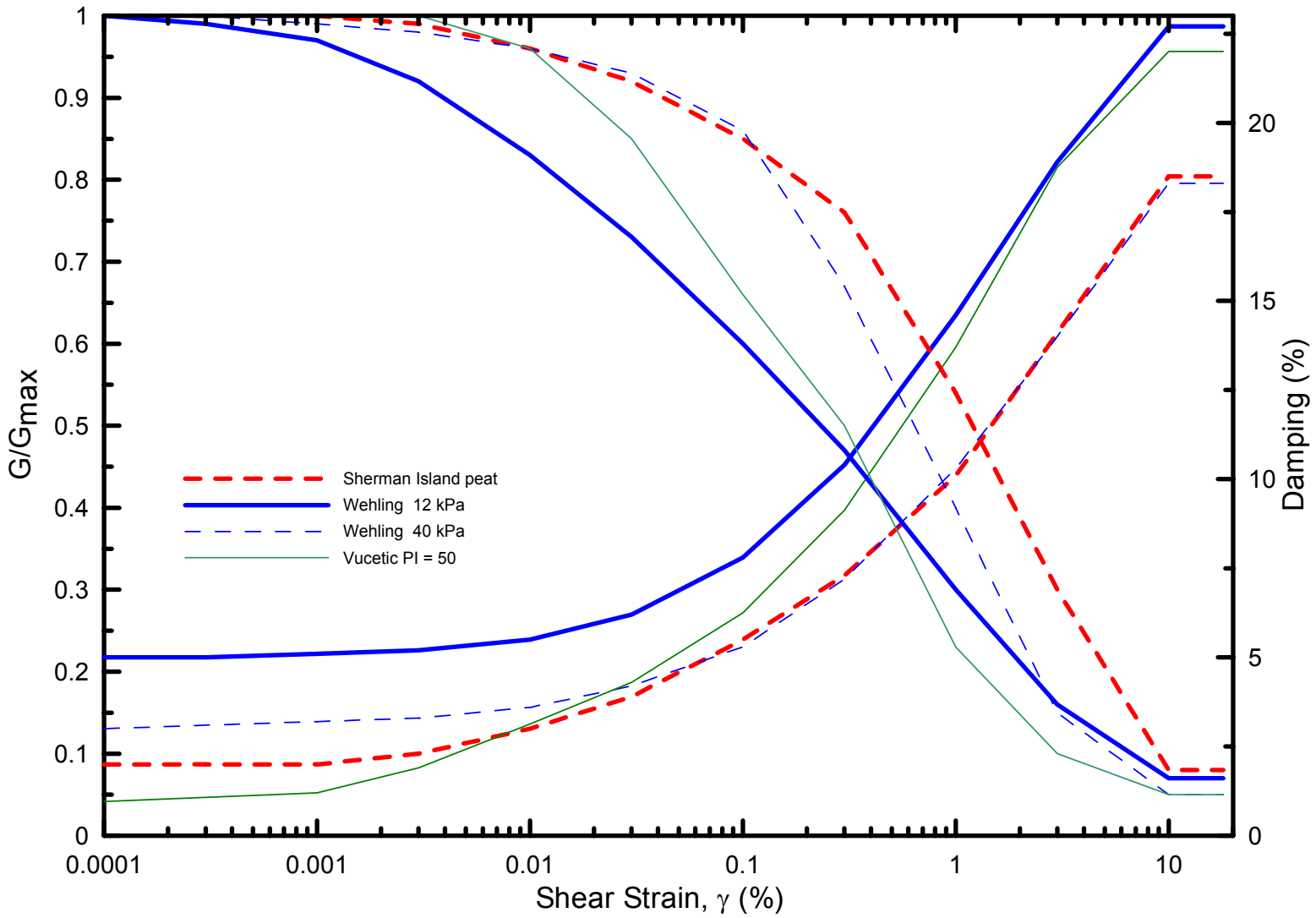

IN-DELTA STORAGE PROJECT		MODULUS AND DAMPING CURVES FOR CLAY AND PEAT	Figure 3
URS	December 2002 Project # 26814105		

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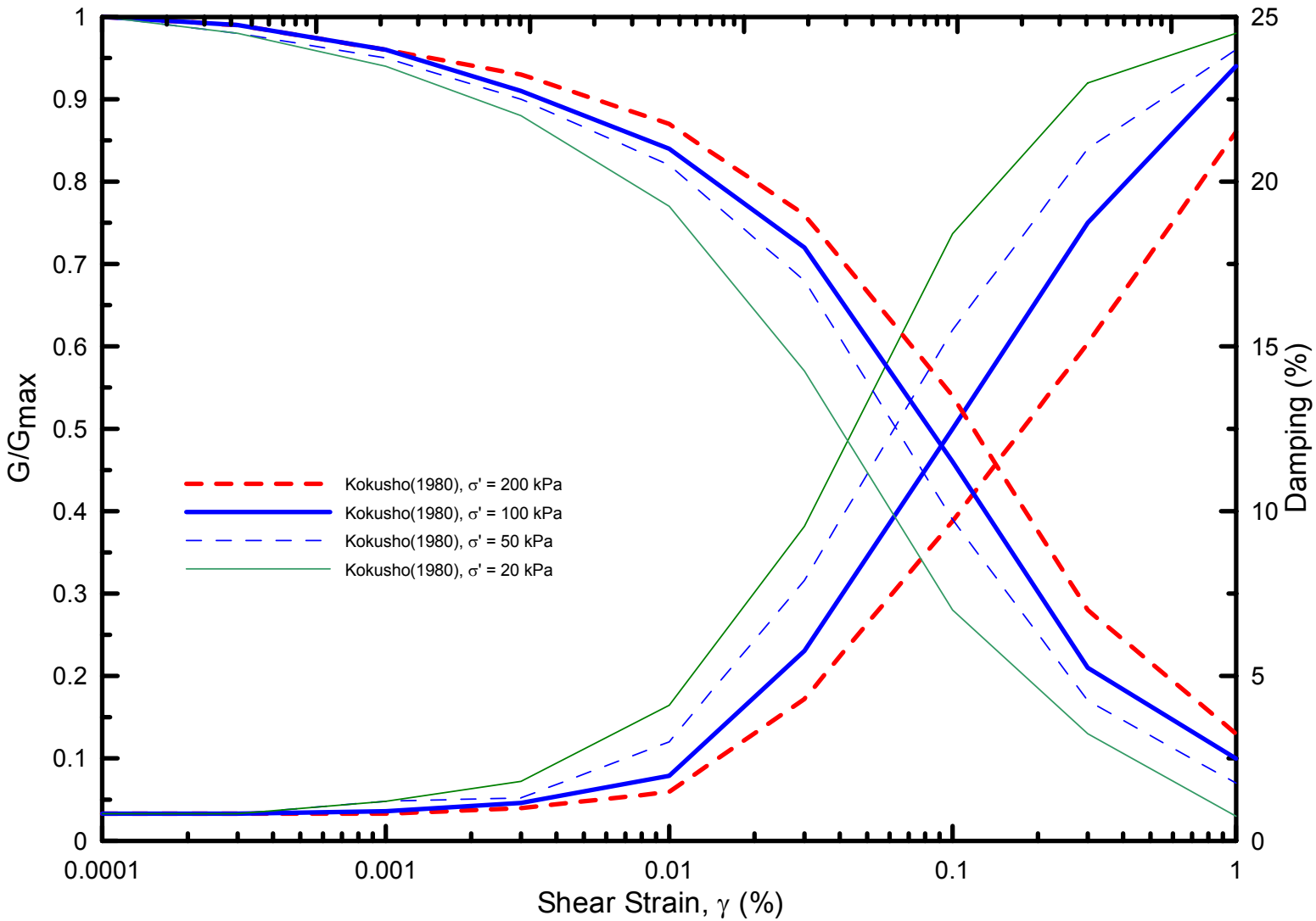

IN-DELTA STORAGE PROJECT		MODULUS AND DAMPING CURVES FOR SAND	Figure 4
URS	December 2002 Project # 26814105		

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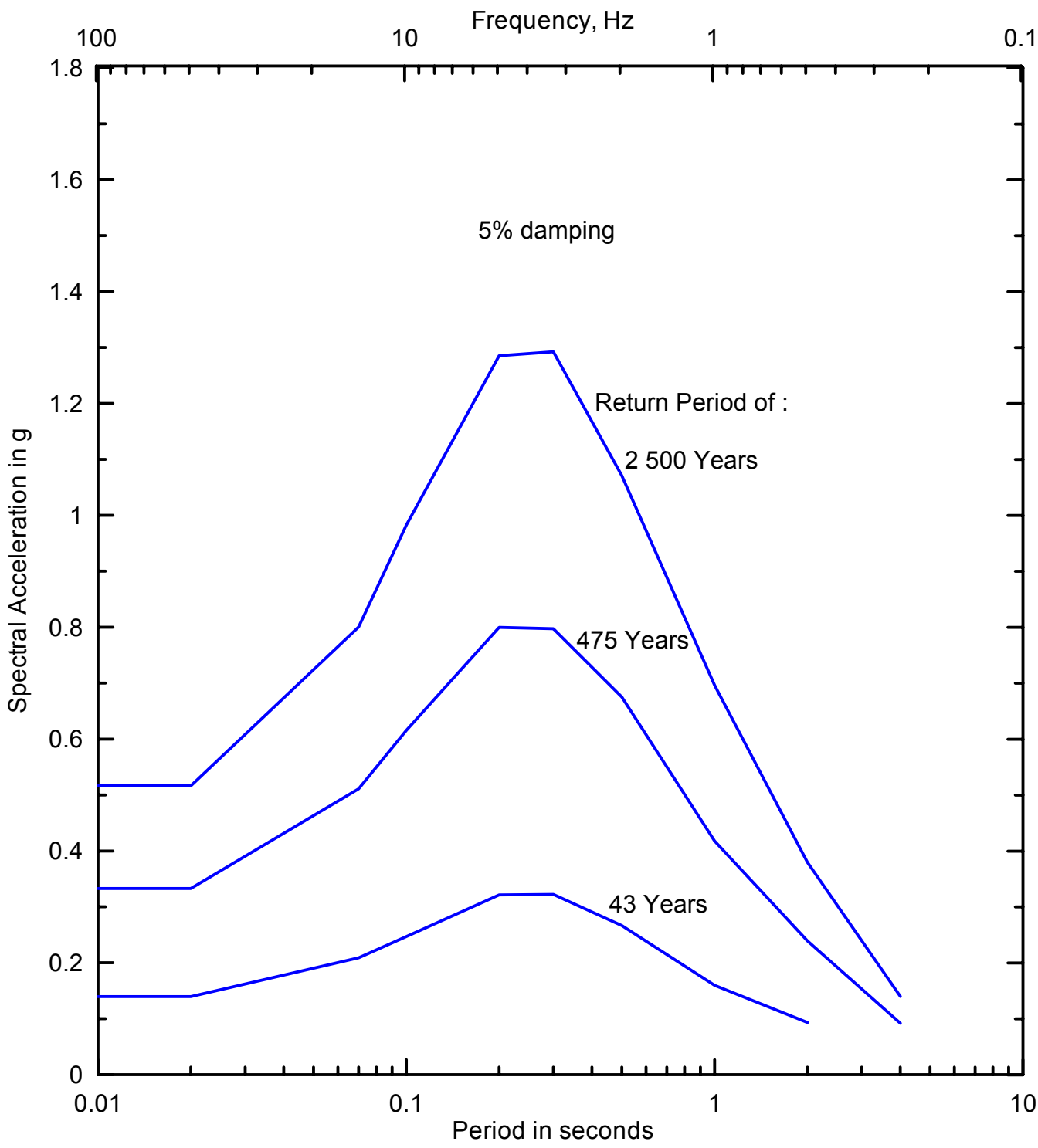

IN-DELTA STORAGE PROJECT		TARGET RESPONSE SPECTRA FOR RETURN PERIODS OF 43, 475, 2500 YEARS	Figure 5
URS	December 2002 Project # 26814105		

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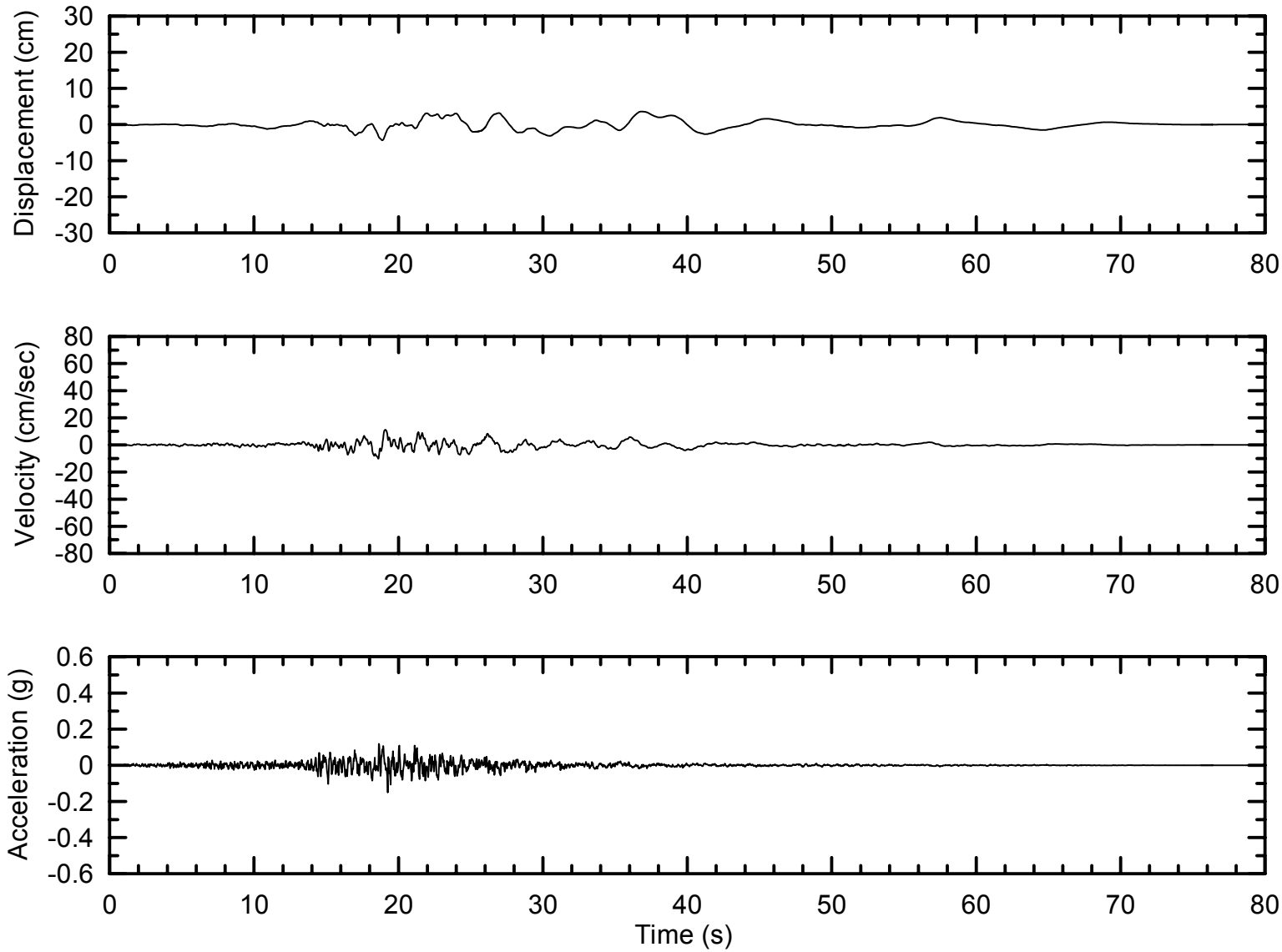

IN-DELTA STORAGE PROJECT		MATCHED TIME HISTORY FOR RETURN PERIOD OF 43 YEARS FOR 1992 LANDERS EARTHQUAKE AT STA.24577, 0 DEG. COMP.	Figure 6
URS	December 2002 Project # 26814105		

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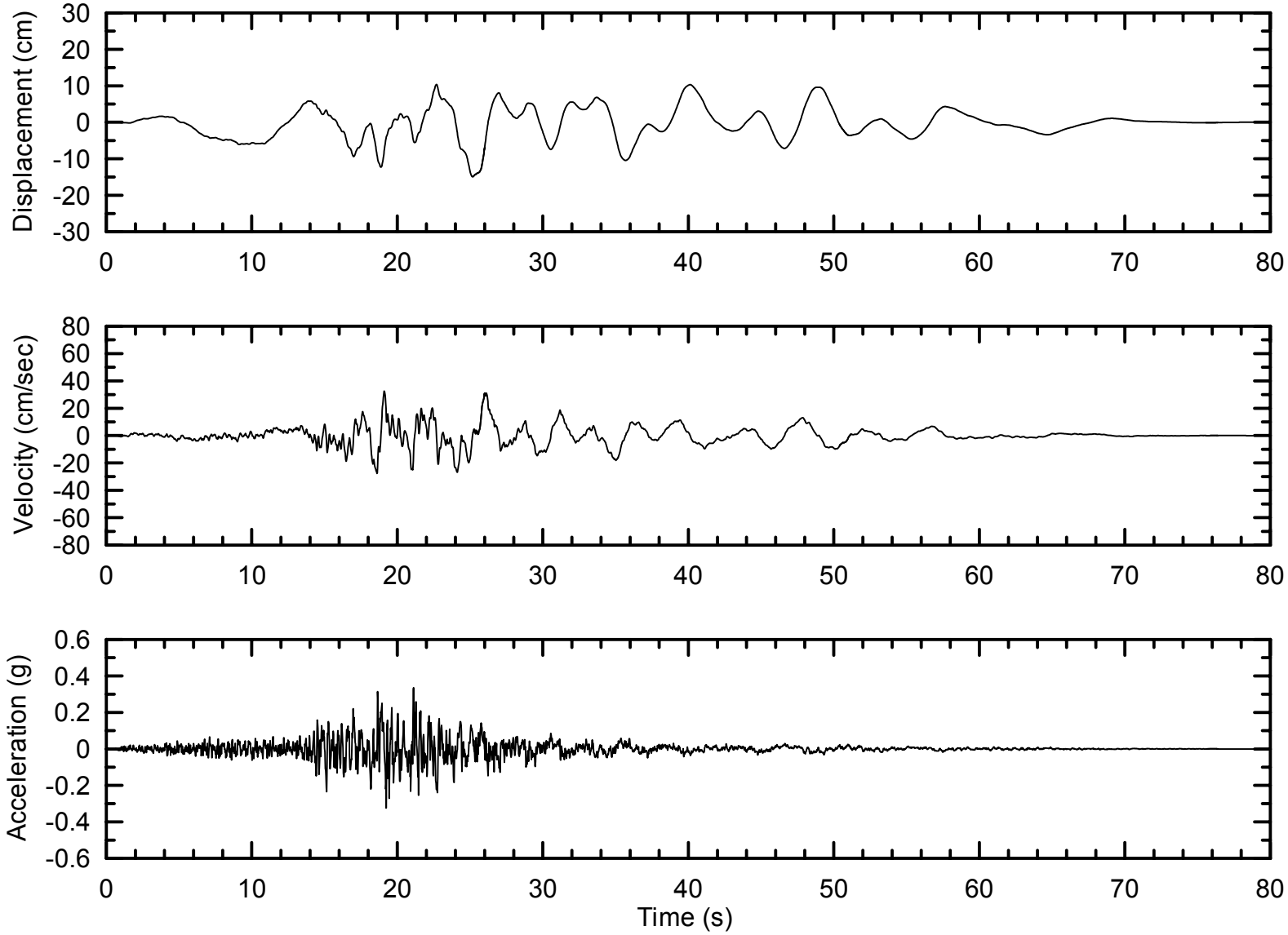

IN-DELTA STORAGE PROJECT		MATCHED TIME HISTORY FOR RETURN PERIOD OF 475 YEARS FOR 1992 LANDERS EARTHQUAKE AT STA.24577, 0 DEG. COMP.	Figure 7
URS	December 2002 Project # 26814105		

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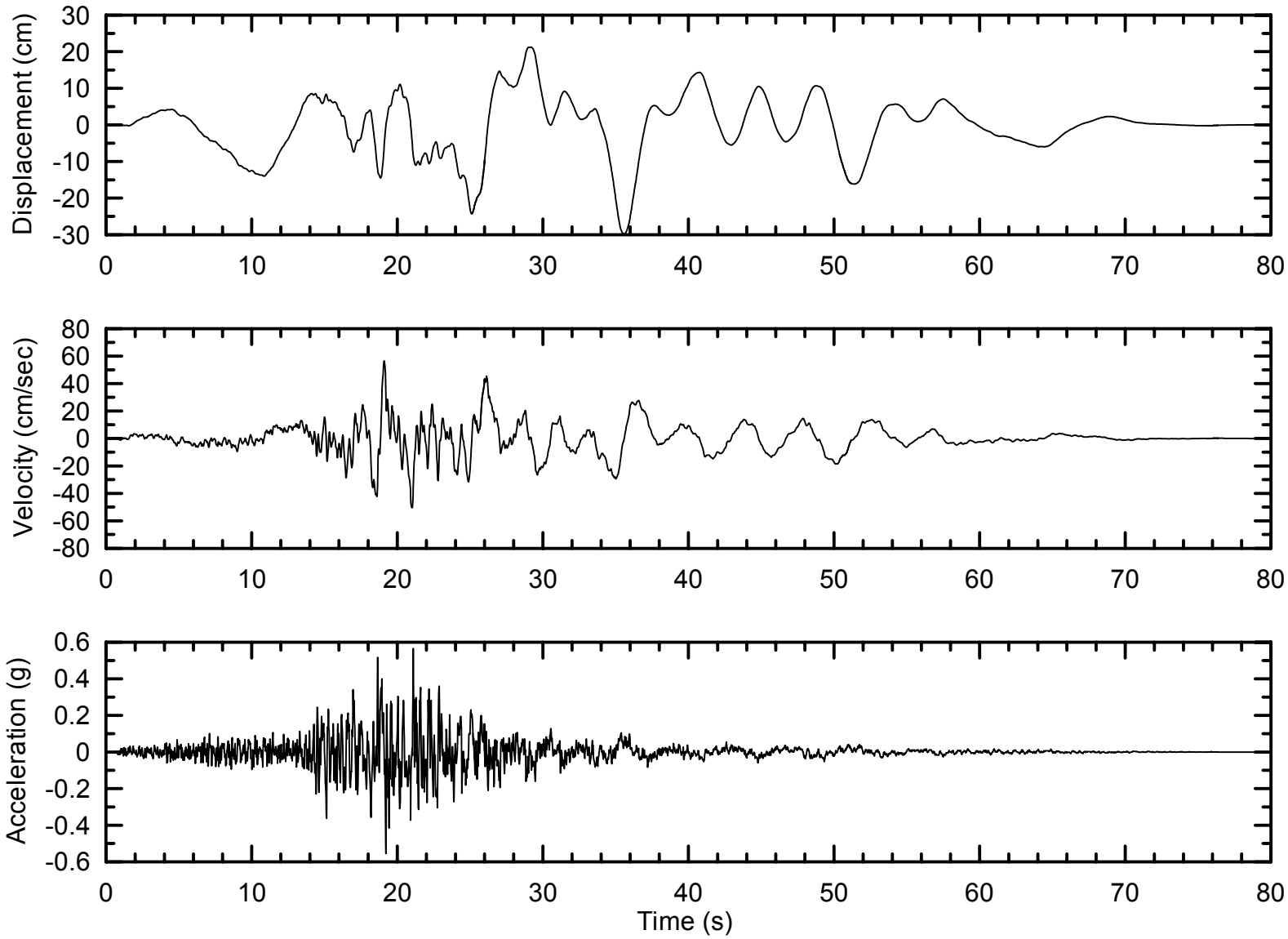
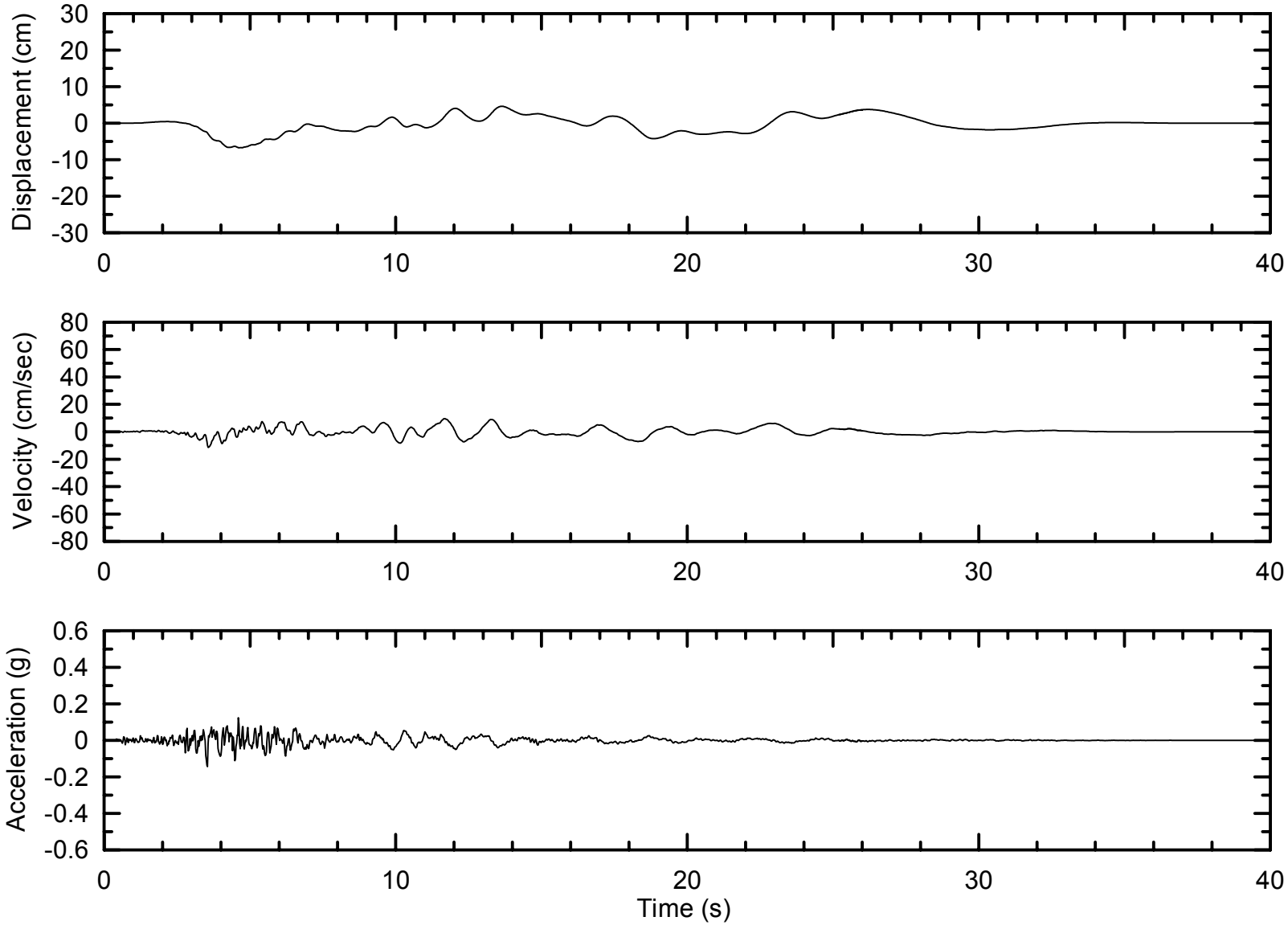
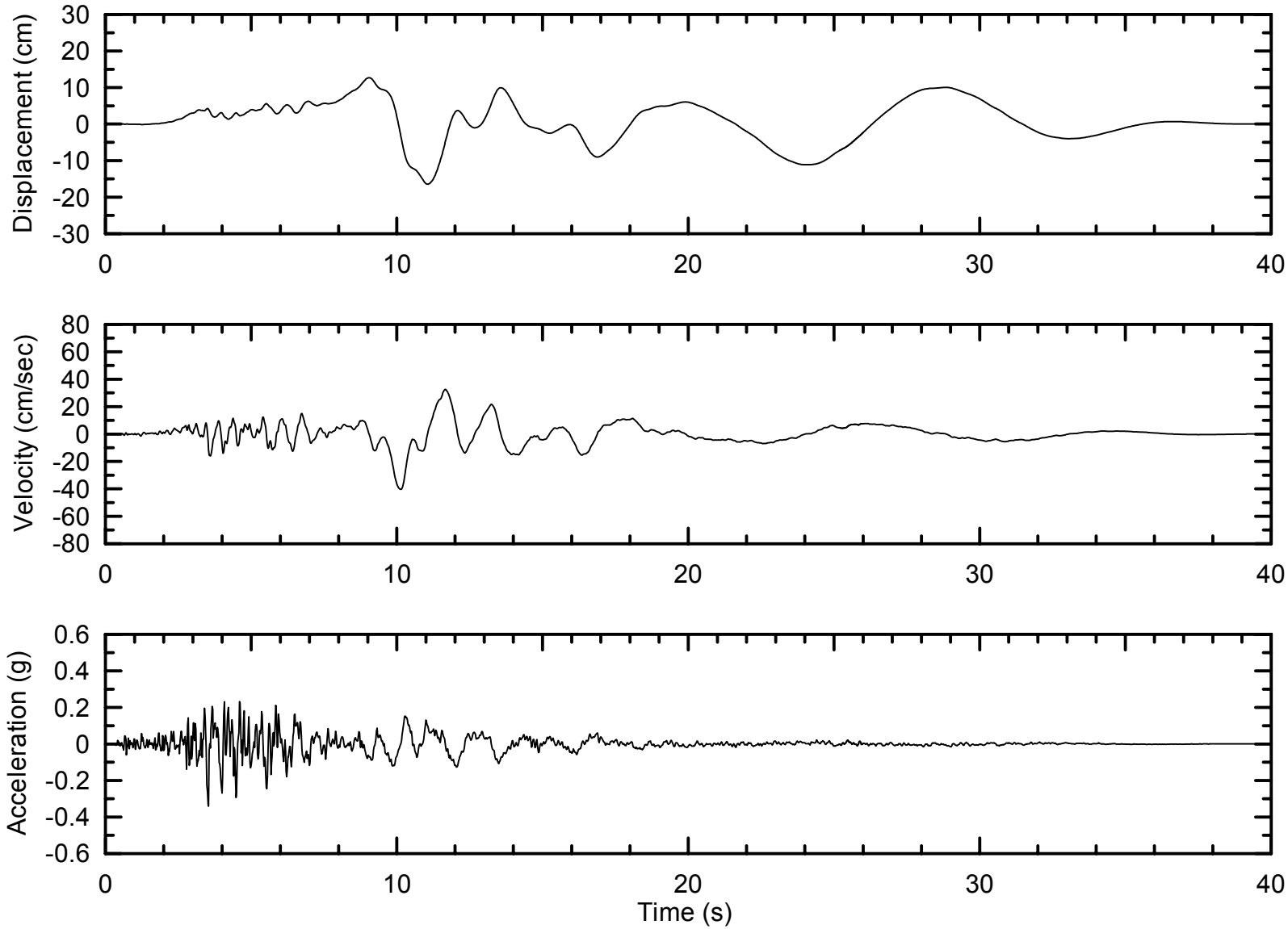


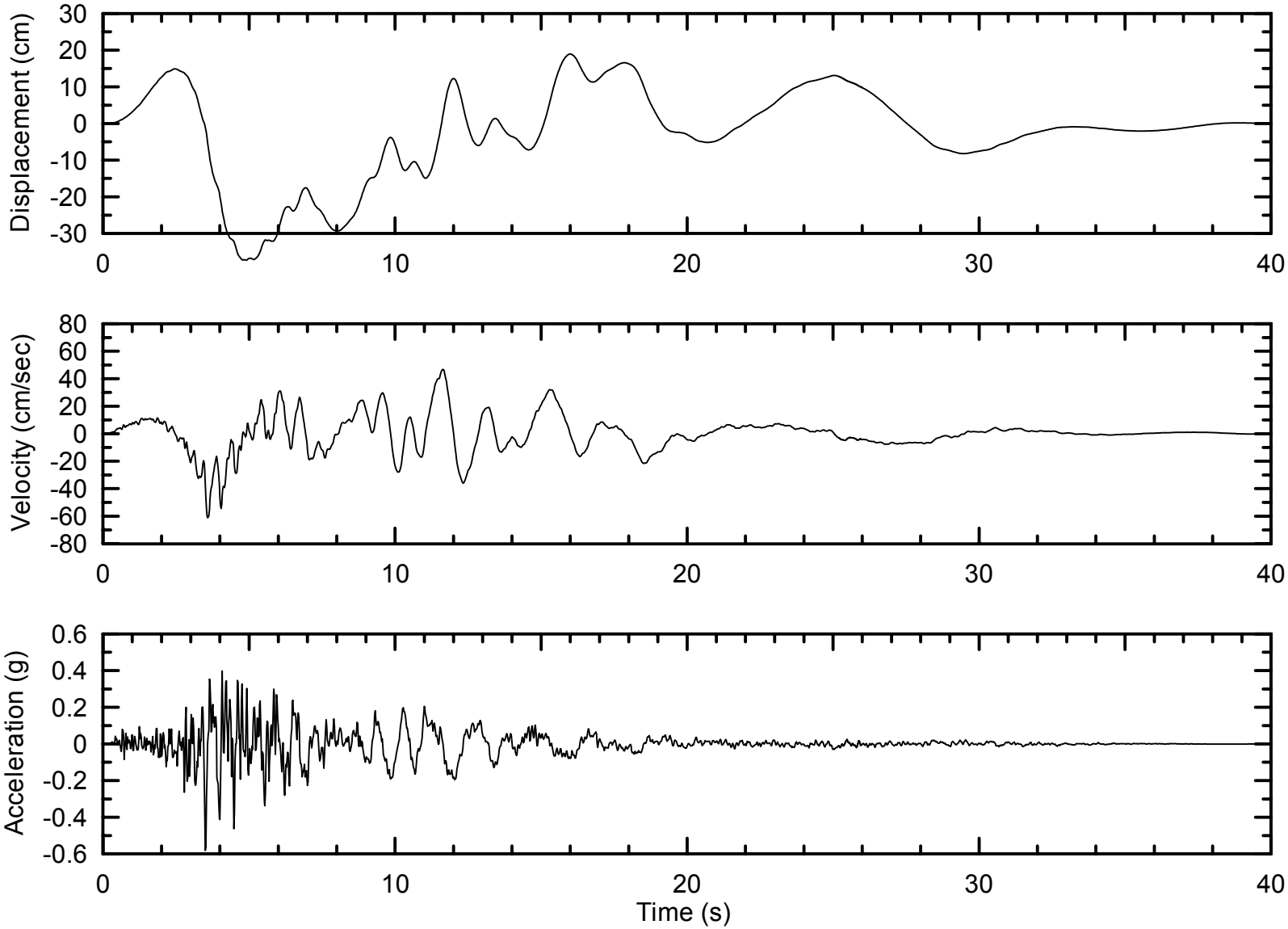
IN-DELTA STORAGE PROJECT		MATCHED TIME HISTORY FOR RETURN PERIOD OF 2500 YEARS FOR 1992 LANDERS EARTHQUAKE AT STA.24577, 0 DEG. COMP.	Figure 8
URS	December 2002 Project # 26814105		



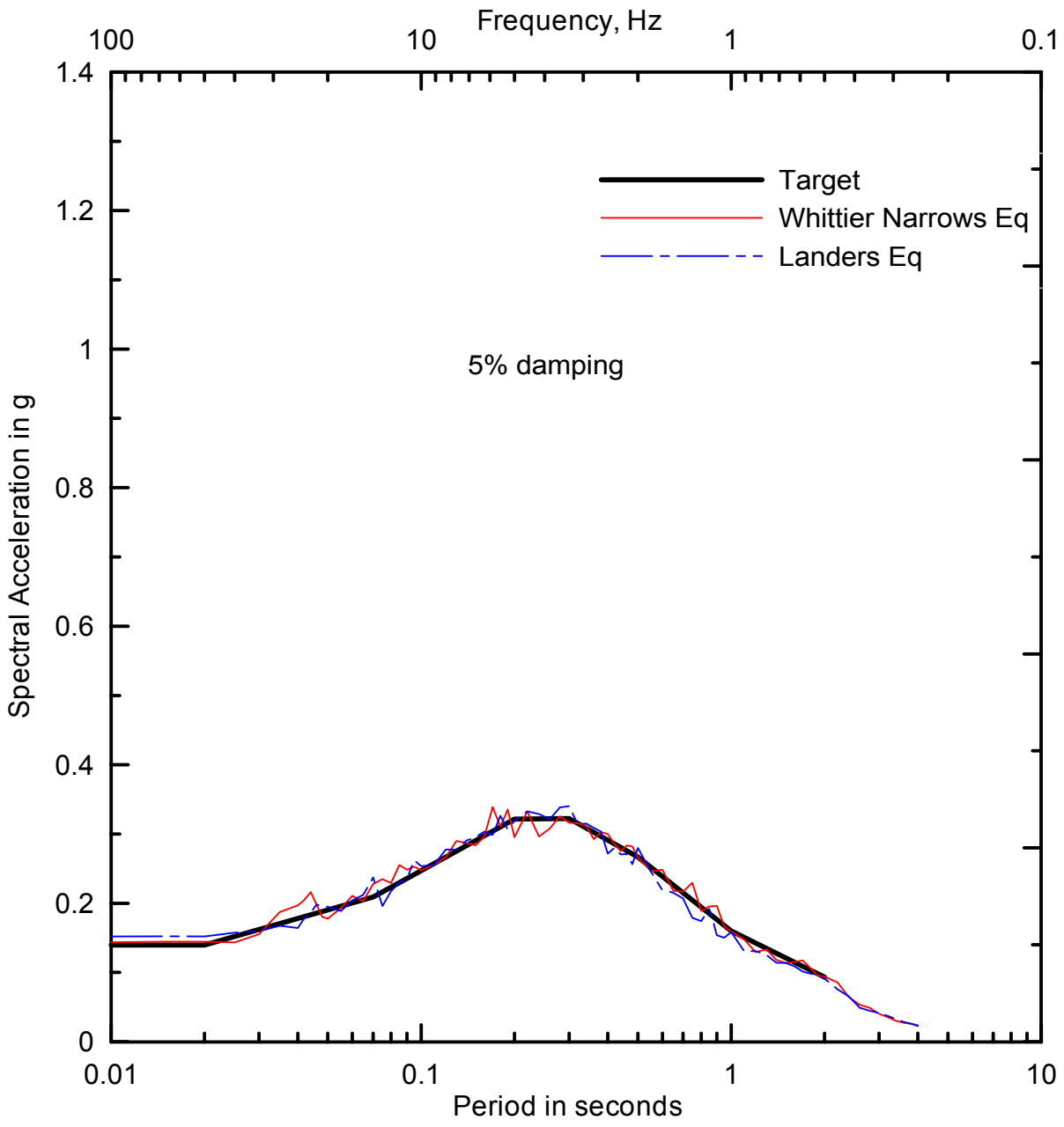
IN-DELTA STORAGE PROJECT		MATCHED TIME HISTORY FOR RETURN PERIOD OF 43 YEARS FOR 1987 WHITTIER NARROWS EARTHQUAKE AT STA.24402, 90 DEG. COMP.	Figure 9
URS	December 2002 Project # 26814105		



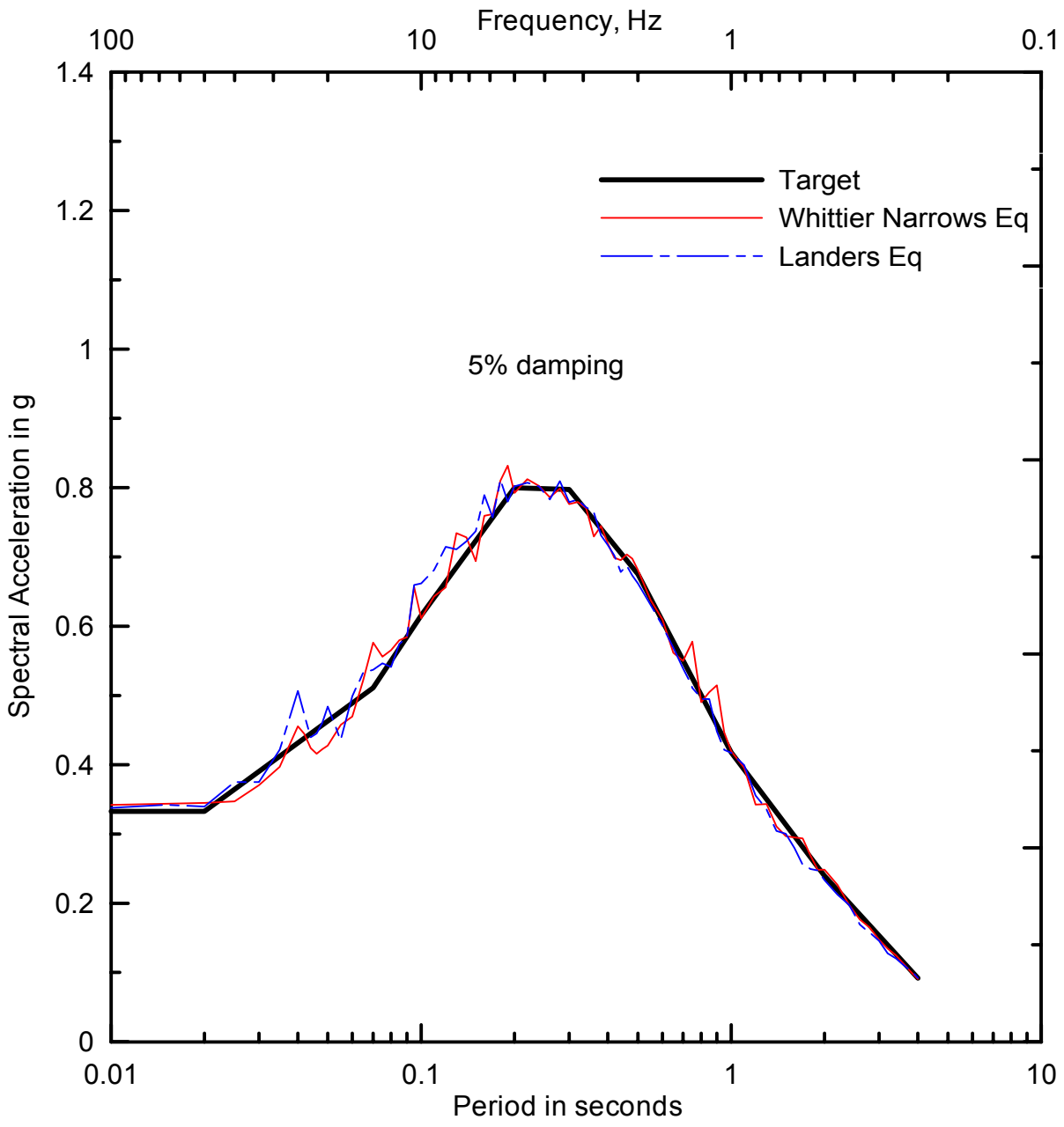
IN-DELTA STORAGE PROJECT		MATCHED TIME HISTORY FOR RETURN PERIOD OF 475 YEARS FOR 1987 WHITTIER NARROWS EARTHQUAKE AT STA.24402, 90 DEG. COMP.	Figure 10
URS	December 2002 Project # 26814105		



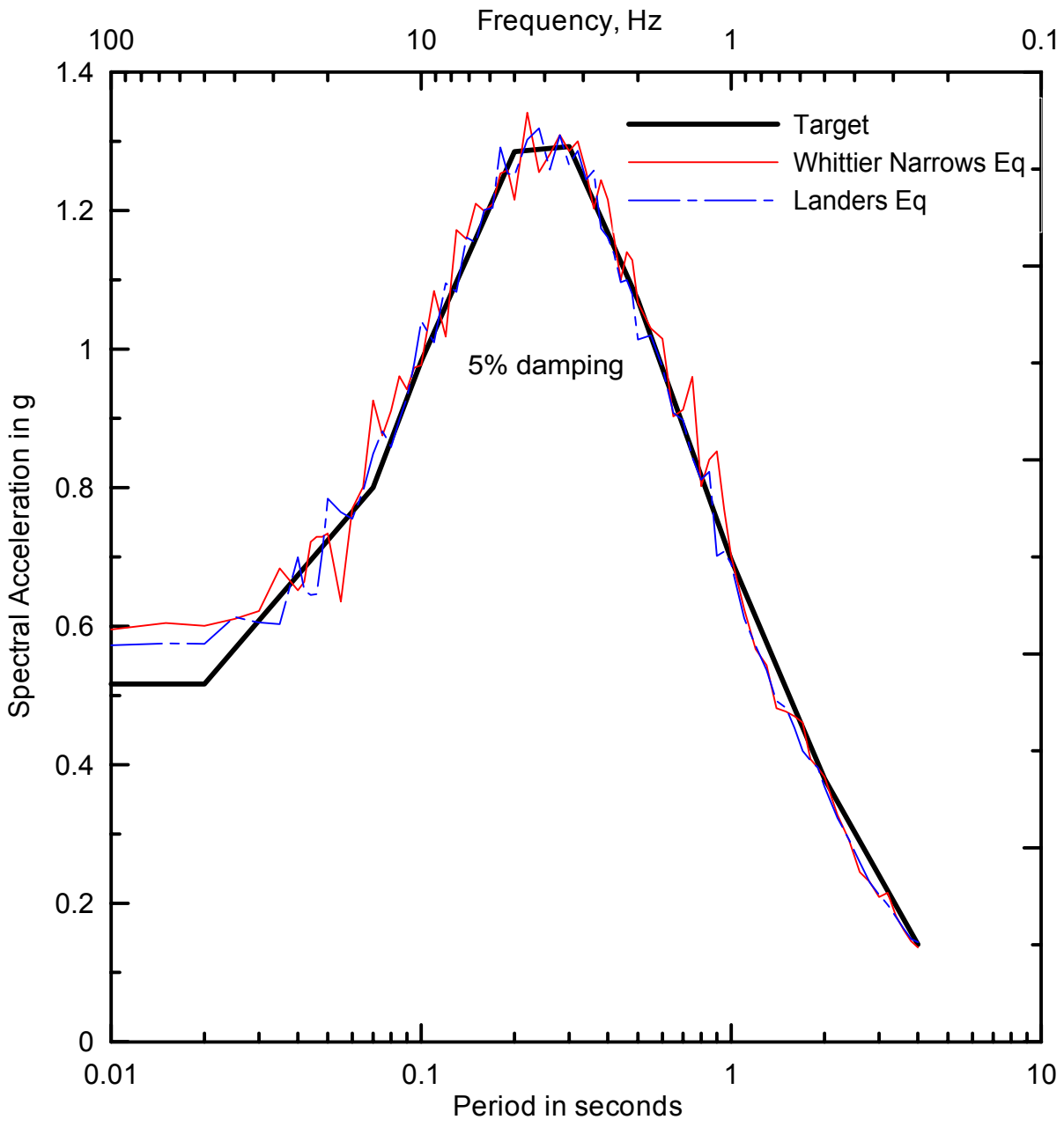
IN-DELTA STORAGE PROJECT		MATCHED TIME HISTORY FOR RETURN PERIOD OF 2500 YEARS FOR 1987 WHITTIER NARROWS EARTHQUAKE AT STA.24402, 90 DEG. COMP.	Figure 11
URS	December 2002 Project # 26814105		



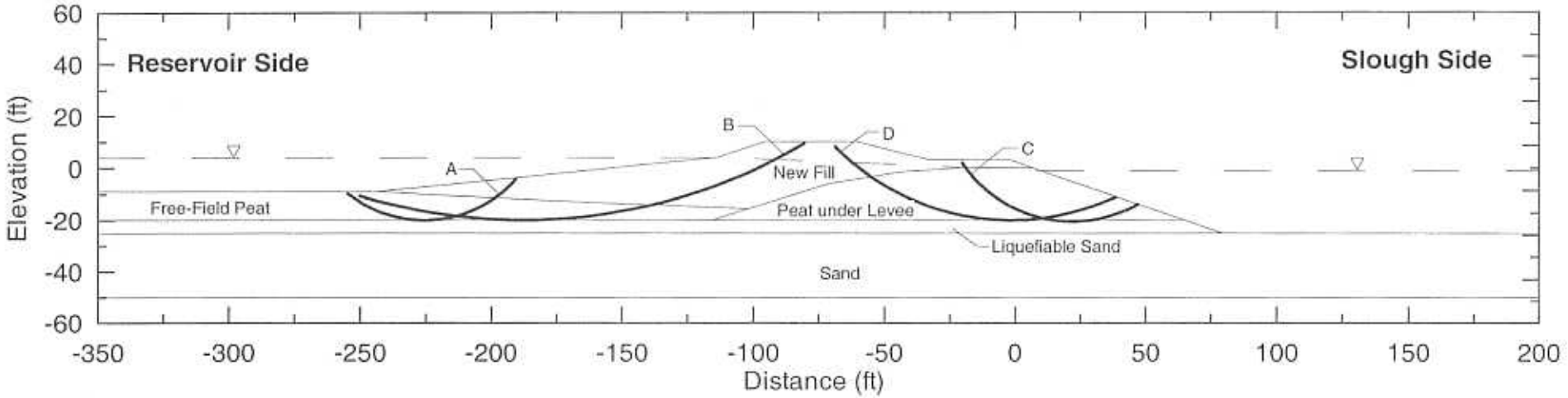
IN-DELTA STORAGE PROJECT		COMPARISON OF RESPONSE SPECTRA FOR RETURN PERIOD OF 43 YEARS	Figure 12
URS	December 2002 Project # 26814105		



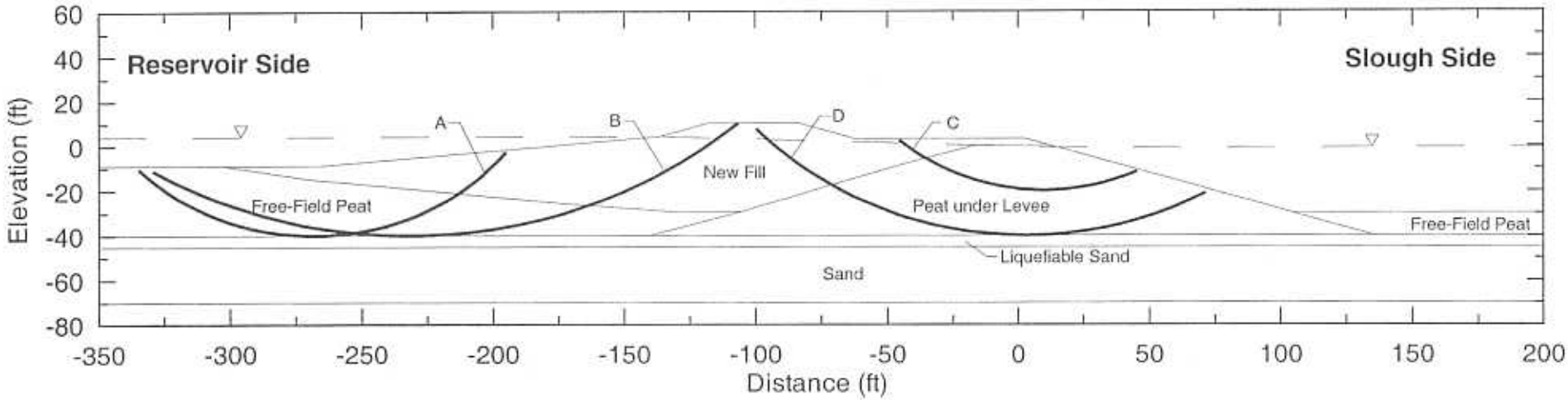
IN-DELTA STORAGE PROJECT		COMPARISON OF RESPONSE SPECTRA FOR RETURN PERIOD OF 475 YEARS	Figure 13
URS	December 2002 Project # 26814105		



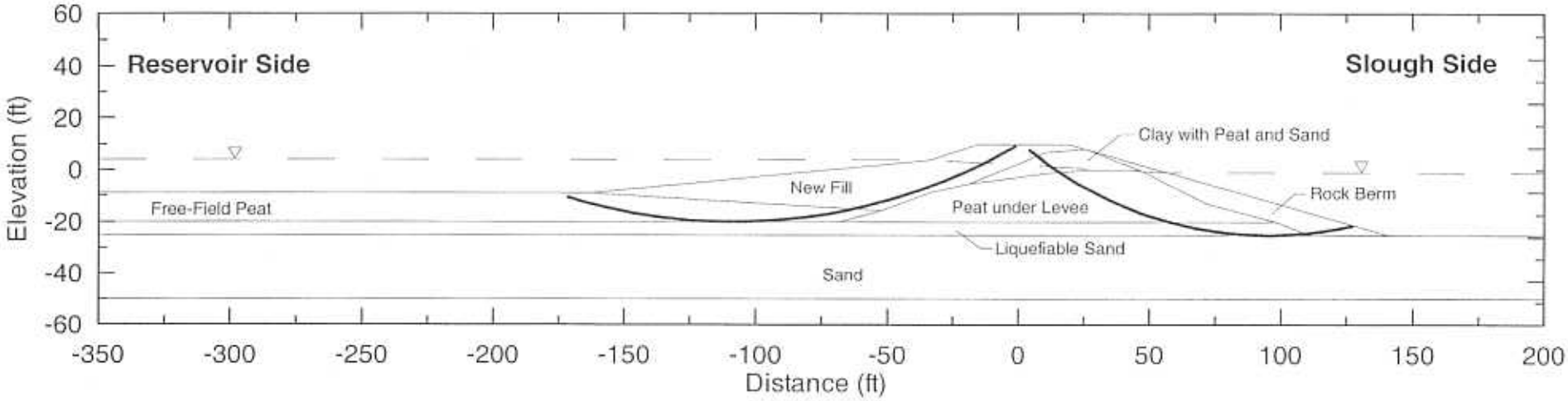
IN-DELTA STORAGE PROJECT		COMPARISON OF RESPONSE SPECTRA FOR RETURN PERIOD OF 2500 YEARS	Figure 14
URS	December 2002 Project # 26814105		



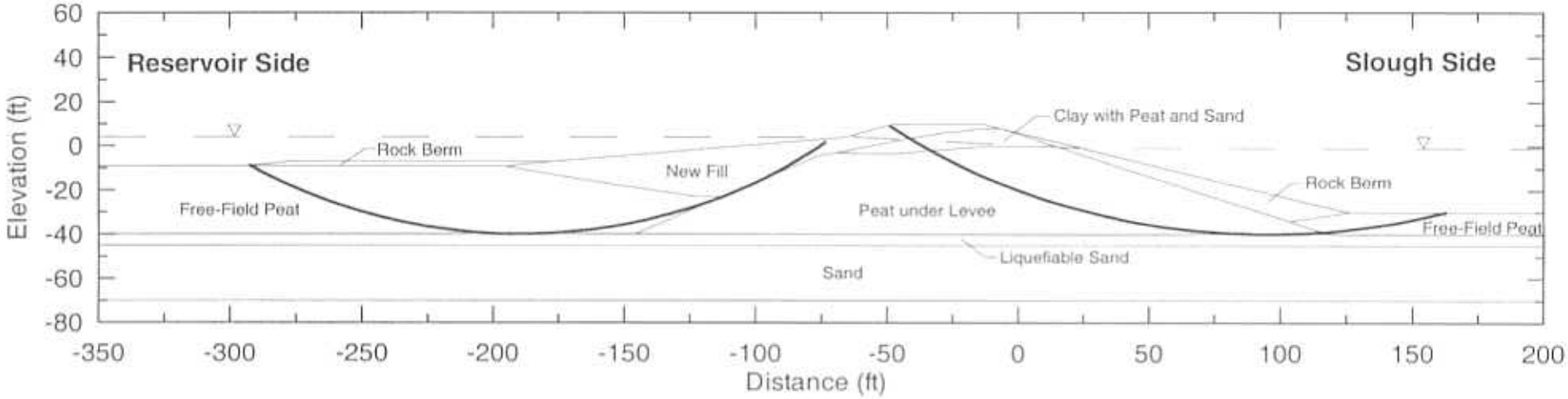
IN-DELTA STORAGE PROJECT		CROSS SECTION I WITH BENCH ALTERNATIVE (PEAT AT -20FT)	Figure 15
URS	December 2002 Project # 26814105		



IN-DELTA STORAGE PROJECT		CROSS SECTION II WITH BENCH ALTERNATIVE (PEAT AT -40FT)	Figure 16
URS	December 2002 Project # 26814105		

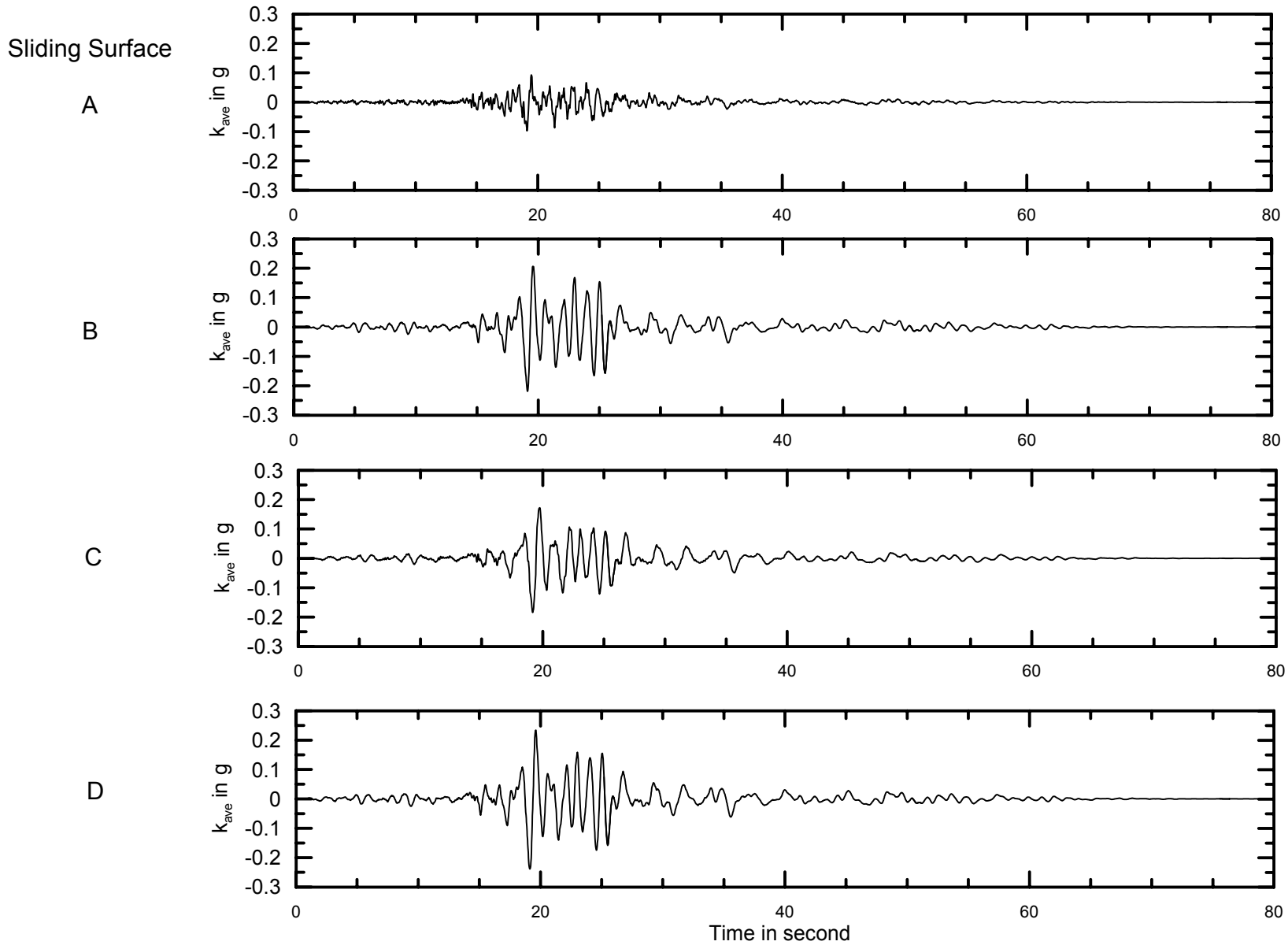


IN-DELTA STORAGE PROJECT		CROSS SECTION I with Rock Berm (PEAT AT -20FT)	Figure 17
URS	December 2002 Project # 26814105		



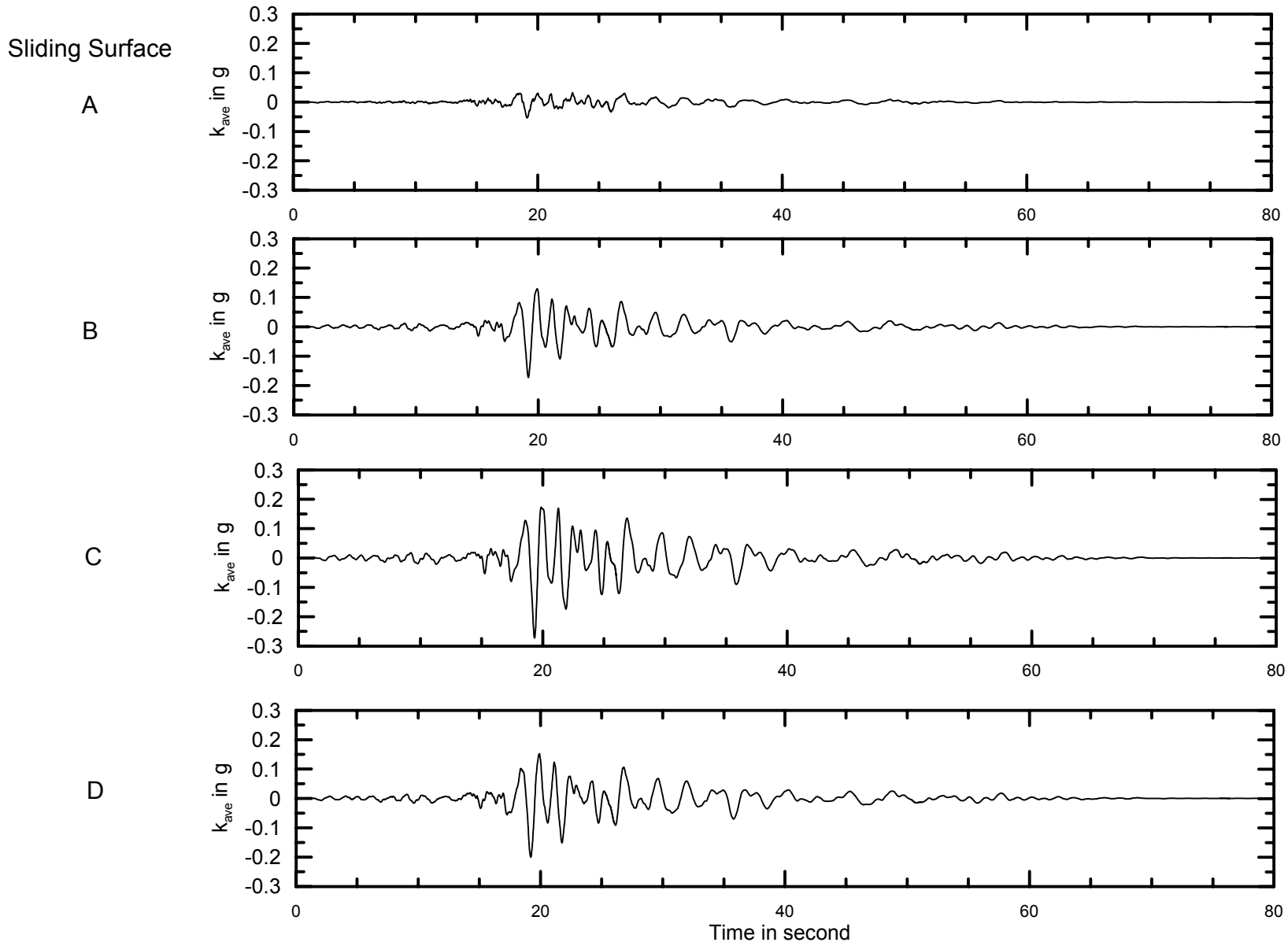
IN-DELTA STORAGE PROJECT		CROSS SECTION II with Rock Berm (PEAT AT -40FT)	Figure 18
URS	December 2002 Project # 26814105		

Cross Section I (Peat at - 20ft) - Low Tide High Reservoir
475 Years Return Period - Landers Earthquake



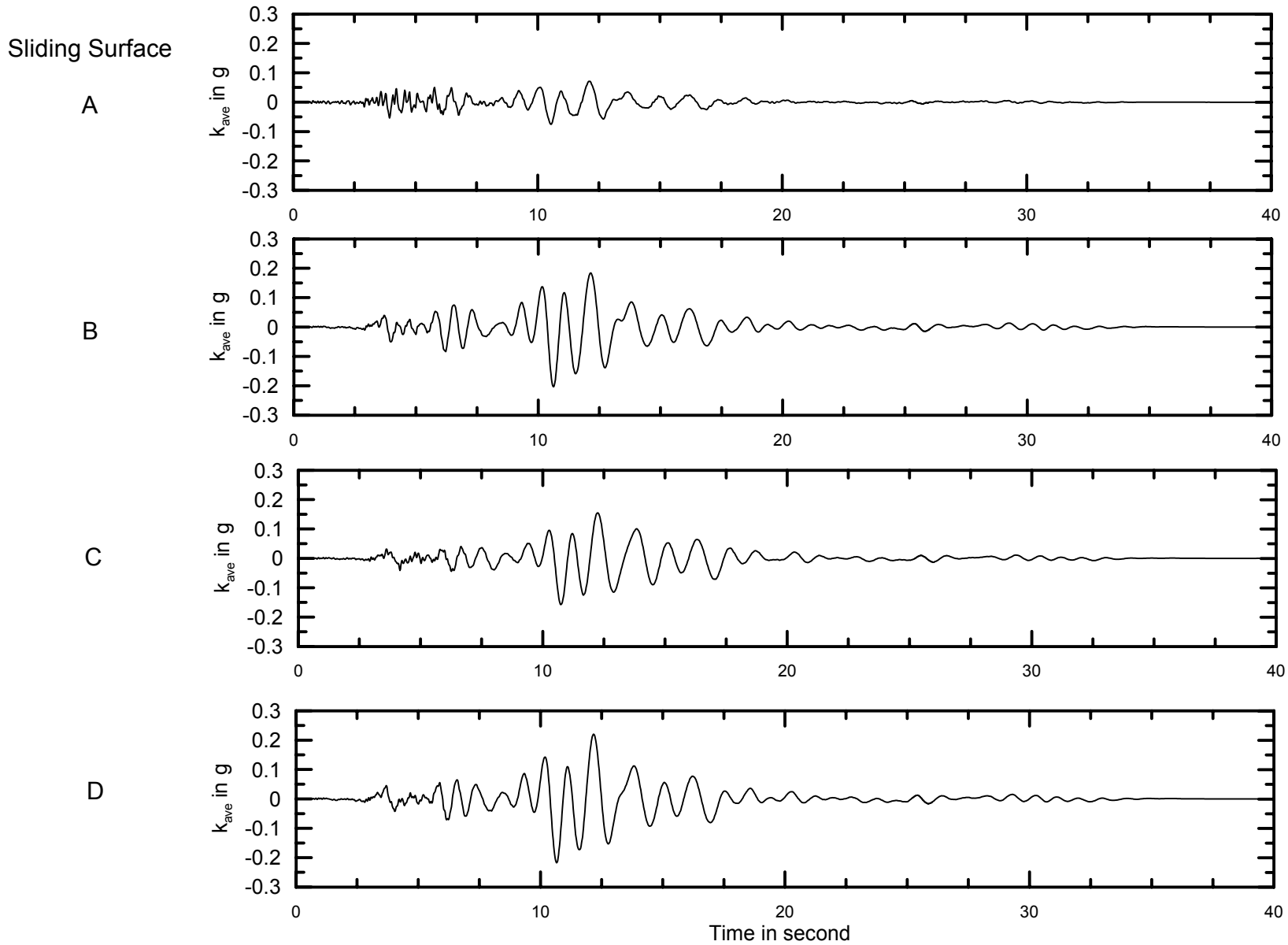
IN-DELTA STORAGE PROJECT		AVERAGE HORIZONTAL ACCELERATION TIME HISTORIES FOR SLIDING MASSES CROSS SECTION I - NONLIQUEFIED CASE FOR LANDERS EARTHQUAKE	Figure 19
URS	December 2002 Project # 26814105		

Cross Section II (Peat at -40 ft) -Low Tide High Reservoir
475 Years Return Period - Landers Earthquake



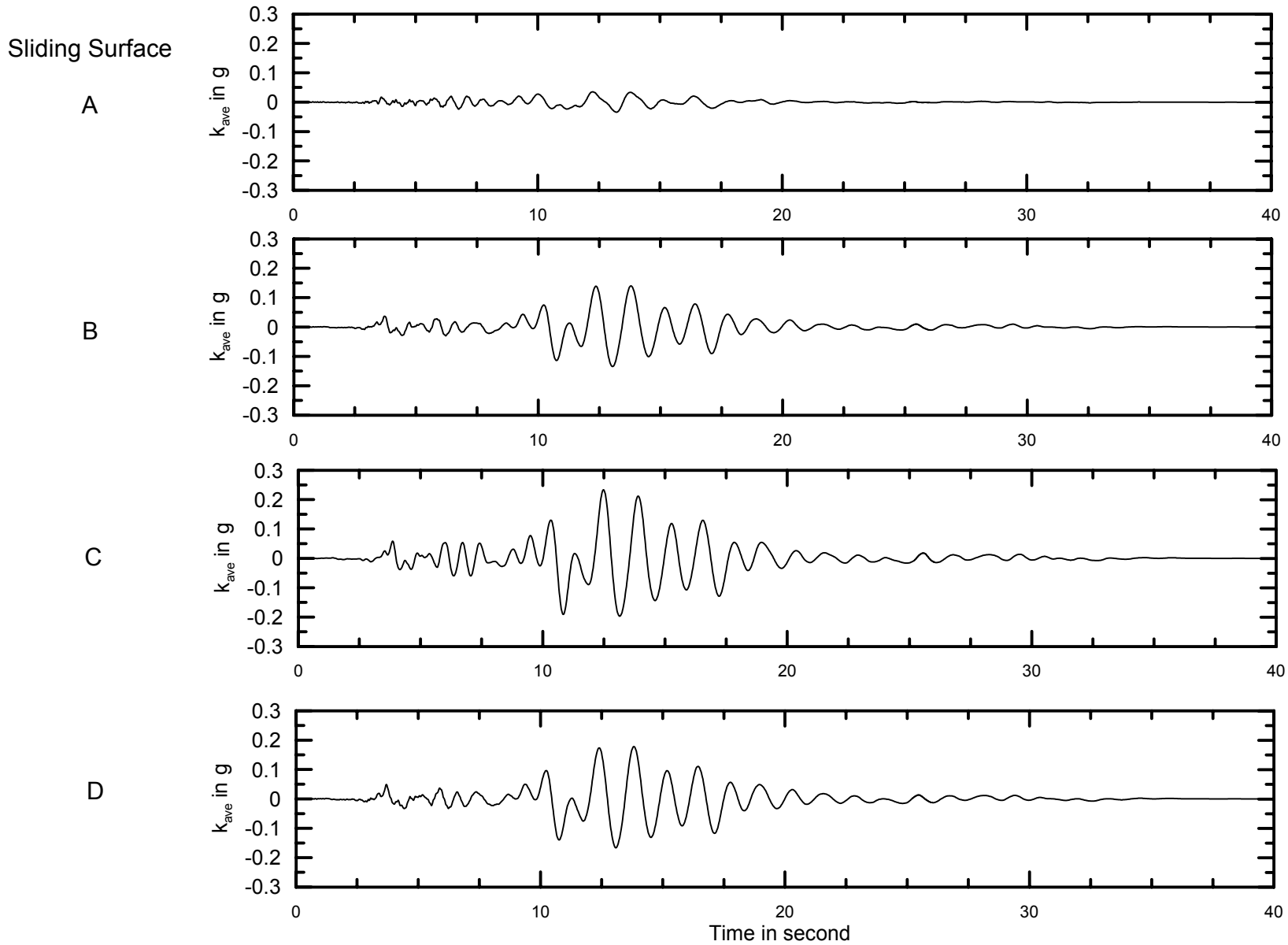
IN-DELTA STORAGE PROJECT		AVERAGE HORIZONTAL ACCELERATION TIME HISTORIES FOR SLIDING MASSES CROSS SECTION II - NONLIQUEFIED CASE FOR LANDERS EARTHQUAKE	Figure 20
URS	December 2002 Project # 26814105		

Cross Section I (Peat at - 20ft) - Low Tide High Reservoir
475 Years Return Period - Whittier Narrows Earthquake



IN-DELTA STORAGE PROJECT		AVERAGE HORIZONTAL ACCELERATION TIME HISTORIES FOR SLIDING MASSES CROSS SECTION I - NONLIQUEFIED CASE FOR WHITTIER NARROWS EARTHQUAKE	Figure 21
URS	December 2002 Project # 26814105		

Cross Section II (Peat at -40 ft) -Low Tide High Reservoir
475 Years Return Period - Whittier Narrows Earthquake



IN-DELTA STORAGE PROJECT		AVERAGE HORIZONTAL ACCELERATION TIME HISTORIES FOR SLIDING MASSES CROSS SECTION II - NONLIQUEFIED CASE FOR WHITTIER NARROWS EARTHQUAKE	Figure 22
URS	December 2002 Project # 26814105		