U.S. Army Corps of Engineers (USACE)

SHRINKAGE LIMIT TEST

		For use o	of this form, see E	M 1110-2-1906; t	ne Proponent ager	cy is CECW-EC.			
		Purpo	ose: The purpose	of this form is to	document shrinkaç	ge limit tests.			
							Date:		
Proje	ct:								
	g No.:				<u> </u>				
	ole or Specimen No.								
Shrin	kage Dish No.								
Weight in Grams	Dish plus wet soil								
	Dish plus dry soil								
	Water	Ww							
	Shrinkage dish								
	Dry Soil	Ws							
	Displaced mercury + evaporating dish								
	Evaporating dish								
	Displaced mercury								
Volume in cc	Shrinkage dish (wet soil pat)	V							
	Volume of dry soil	Vs							
	V-V _S								
	(V-V _S /W _S) x 100								
Water content = (W _W /W _S) x 100		W	%	%	%	%	%	%	
Shrinkage limit		SL							
Shrinkage ratio		R							
V _S = weight of displace mercury/specific gravity of mercury (13.53 g/cc) SL = Water content of wet soil pat Classification: volume of wet soil volume of oven-dry soil pat wt of oven-dry soil pat = W - ([V-V _S /W _S] x 100) R = wt of oven-dry soil pat/volume of oven-dry soil pat = W _S /V _S Remarks									
Technician:			Computed By:			Checked By:			