

	MAJOR DIVISIONS	GROUP SYMBOLS	TYPICAL NAMES
COARSE-GRAINED SOILS More than 50% retained on No. 200 sieve*	GRAVELS 50% or more of coarse fraction retained on No. 4 sieve	CLEAN GRAVELS $<5\% \downarrow 200$	GW Well-graded gravels and gravel-sand mixtures, little or no fines
		GRAVELS WITH FINES $>12\% \downarrow 200$	GP Poorly graded gravels and gravel-sand mixtures, little or no fines
			GM Silty gravels, gravel-sand-silt mixtures
		SANDS More than 50% of coarse fraction passes No. 4 sieve	CLEAN SANDS $<5\% \downarrow 200$
	SW Well-graded sands and gravelly sands, little or no fines		
	SANDS WITH FINES $>12\% \downarrow 200$		SP Poorly graded sands and gravelly sands, little or no fines
			SM Silty sands, sand-silt mixtures
			SC Clayey sands, sand-clay mixtures
			FINE-GRAINED SOILS 50% or more passes No. 200 sieve*
	CL Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays		
OL Organic silts and organic silty clays of low plasticity			
SILTS AND CLAYS Liquid limit greater than 50%	MH Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts		
	CH Inorganic clays of high plasticity, fat clays		
	OH Organic clays of medium to high plasticity		
	Highly Organic Soils	PT Peat, muck and other highly organic soils	

*Based on the material passing the 3-inch sieve.