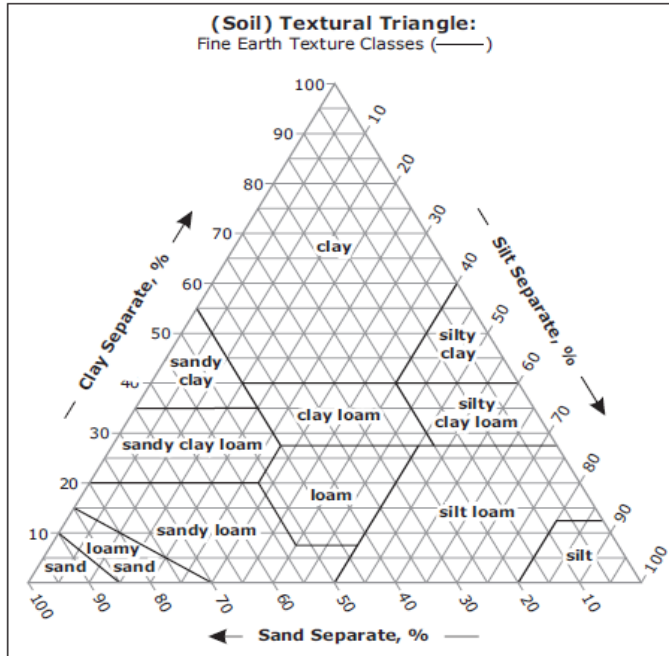


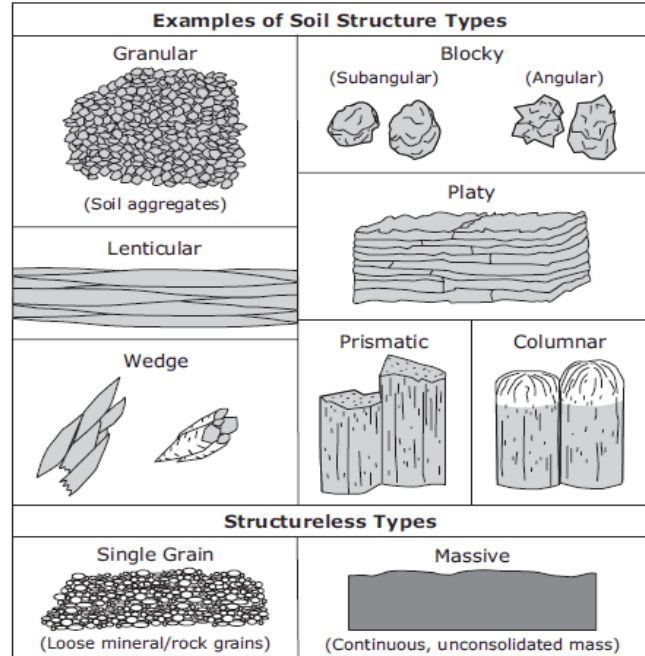
Particle Size Classes

USDA ¹	FINE EARTH										ROCK FRAGMENTS						
	Clay ²		Silt				Sand				Gravel			Cob- bles	Stones	Boulders	
	fine	co.	fine	co.	v.fi.	fi.	med.	co.	v.co.	fine	medium	coarse	channers				flagst
millimeters:	0.0002	.002 mm	.02	.05	.1	.25	.5	1	2	5	20	76	150	380	600 mm		
U.S. Standard Sieve No. (opening):			300 ³	140	60	35	18	10	4	(3/4")	(3")	(10")	(25")				

Soil Texture Triangle



Soil Structure



Soil Structure Grade

Grade	Code	Criteria
Structureless	0	No discrete units observable in place or in hand sample.
Weak	1	Units are barely observable in place or in a hand sample.
Moderate	2	Units well formed and evident in place or in a hand sample.
Strong	3	Units are distinct in place (undisturbed soil) and separate cleanly when disturbed.

Soil Structure Size

Size Class	Code		Criteria: structural unit size ¹ (mm)		
	Conv.	NASIS	Granular, Platy ² , (Thickness)	Columnar, Prismatic, Wedge ³ (Diameter)	Angular & Subangular Blocky and Lenticular (Diameter)
Very Fine (Very Thin) ²	vf (vn)	VF (VN)	< 1	< 10	< 5
Fine (Thin) ²	f (tn)	F (TN)	1 to < 2	10 to < 20	5 to < 10
Medium (Medium)	m (m)	M (M)	2 to < 5	20 to < 50	10 to < 20
Coarse (Thick) ²	co (tk)	CO (TK)	5 to < 10	50 to < 100	20 to < 50
Very Coarse (Very Thick) ²	vc (vk)	VC (VK)	≥ 10	100 to < 500	≥ 50
Extremely Coarse	ec (—)	EC (—)	—	≥ 500	—