



GRADATION SIZE AND MESH COMPARISON

Grain Size Range	Slot Size	Gauze No.	U. S. Standard		Micron (DIA)	Solids Removal Equipment
			Sieve No.	Inches		
Clay & Silt	--	--	400	0.0015	44	Desilter
	--	--	325	0.0017		
	--	--	270	0.0021	53	Desilter
	--	--	230	0.0024	74	Desander
	--	--	200	0.0029		Desander
Fine Sand	--	--	170	0.0035	105	Shale Shaker
	--	--	140	0.0041		
	--	--	120	0.0049		
	6	90	100	0.0059	149	
	7	80	80	0.0070		
	8	70	70	0.0083		
Medium Sand	10	60	60	0.0098	297	
	12	50	50	0.0117		
	14	--	45	0.0138		
	16	40	40	0.0165 (1/64)		
	18		--	--		
20	35	35	0.0197	500		
23	30	30	0.0232			
Coarse Sand	25	30	--	0.0250	1000	
	28	20	25	0.0280		
	31		--	0.0310 (1/32)		
	33		20	0.0331		
	35	--	--	0.0350		
	39	18	18	0.0394		
Very Coarse Sand	47		16	0.0469	2000	
	56		14	0.0555		
	62		--	0.062 (1/16)		
	66		12	0.0661		
	79		10	0.0787		
	Very Fine Gravel		93			
94		--	0.094 (3/32)			
111		7	0.111			
125		--	0.125 (1/8)			
132		6	0.132			
Fine Gravel	157		5	0.157		
	187		4	0.187 (3/16)		
	223		3 ½	0.223		
	250		¼	0.250 (1/4)		
	263		--	0.263		
	312		5/16	0.312 (5/16)		
	375		3/8	0.375 (3/8)		
Medium Gravel	438		7/16	0.438 (7/16)		
	500		½	0.500 (1/2)		