Lab 5 Carbonate Rocks

Number	Color and texture	Components	Name (Dunham)	Environment/ Significance	sketch

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A DEPOSITIONAL TEXTURE RECOGNIZA				ABLE	DEPOSITIONAL TEXTURE		
Original components not bound together during deposition				Original	NOT RECOGNIZABLE		
Contains mud (particles of clay and fine silt size)				Original components were bound to- gether during deposition as shown by intergrown skeletal matter, lamina-	CRYSTALLINE CARBONATE		
Mud-supported		tion contrary to gravity, or sediment- floored cavities are roofed over by		(Subdivide considerate de designations			
Less than 10% grains MUDSTONE	More than 10% grains WACKESTONE	Grain- supported PACKSTONE	Lacks mud and is grain-supported GRAINSTONE		(Subdivide according to classifications designed to bear on physical texture or diagenesis.)		

B ALLOCHTHONOUS LIMESTONE Original components not organically bound during deposition						AUTOCHTHONOUS LIMESTONE Original components organically bound during deposition		
Less than 10% >2 mm components				Greater than 10% >2mm components		By organisms that build a rigid	By organisms that encrust	By organisms that act as baffles
Contains lime mud (<0.03 mm) No lime mud			No lime mud		>2 mm	framework	and bind	
Mud-supported		313						
Less than 10% grains (>0.03 mm	Greater than 10% grains	Grain- supported		Matrix- supported	component- supported			
2 mm				BOUNDSTONE				
MUD- STONE	WACKE- STONE	PACK- STONE	GRAIN- STONE	FLOAT- STONE	RUD- STONE	FRAME- STONE	BIND- STONE	BAFFLE- STONE

