

151-909C-55R-1, 15–19 cm Unit IIIA
ROCK NAME: Laminated silty clay

MINERALS	VOL. %	SIZE	MORPHOLOGY
Quartz	15	sand-silt	
Feldspar	3	silt	
Mica	1–2	silt	
Accessory Minerals	1–2	silt	
Glauconite	1	silt	
Opaques	3	silt	
Clay	75		

Comment: Grain-size changes define layers. Many high birefringent particles, probably grit, but they may be carbonate. Many silt grains are very angular. There is a general trend in the silt and sand quartz particles to be parallel to bedding. Opaques and quartz silt clusters (burrows?) random. Many burrows have halos-possibly an artifact of impregnation.

TEXTURE

Sand	0–5
Silt	10–25
Clay	70–90

151-909C-67R-6, 15–19 cm Unit IIIA
ROCK NAME: Burrowed, laminated silty clay

MINERALS	VOL. %	SIZE	MORPHOLOGY
Quartz	40	sand-silt	
Feldspar	5	silt	
Mica	15	silt	
Accessory Minerals	2	silt	
Glauconite	1	silt	
Opaques	4	silt	
Clay	31		

Comment: Most grains, including mica have random orientation. Opaques form only clear layer. Areas immediately around burrows are depleted of quartz grains, but burrows may contain as much as 90% quartz. Some burrows are filled with opaques, others have opaque rims and quartz centers.

TEXTURE

Sand	10–30
Silt	30–60
Clay	20–40

151-909C-80R-1, 35–39 cm Unit IIIB
ROCK NAME: Laminated silty clay and silty mud

MINERALS	VOL. %	SIZE	MORPHOLOGY
Quartz	30	sand-silt	
Feldspar	5	silt	
Mica	10	silt	
Accessory Minerals	2	silt	
Glauconite	3	silt	
Opaques	4	silt	framboids
Clay	45		

Comments: Burrows are present. Many quartz burrows rim a clay center. Quartz varies from angular to round.

TEXTURE

Sand	15
Silt	40
Clay	45

151-909C-88R-2, 116–120 cm Unit IIIB
ROCK NAME: Laminated silty clay and silty mud

MINERALS	VOL. %	SIZE	MORPHOLOGY
Quartz	35	sand-silt	
Feldspar	5	silt	
Mica	8	silt	
Accessory Minerals	2	silt	
Glauconite	3	silt	
Opaques	4	silt	
Clay	35		
Rock Fragments	Trace		

Comments: Quartz grains are very round to angular. Some grains are greater than 200 microns in diameter. The coarsest layers are graded.

TEXTURE

Sand	10–40
Silt	20–30
Clay	30–60