

SURFICIAL MATERIALS

GLACIAL AND POSTGLACIAL DEPOSITS

GLACIAL ICE-LAID DEPOSITS

t Thin Till
tt Thick Till
ts End moraine deposits

GLACIAL AND POSTGLACIAL DEPOSITS

Fine Deposits

f Fines (very fine sand, silt, and clay)

Coarse Deposits

g Gravel
sg Sand and Gravel
s Sand

Stacked Coarse Deposits

g/sg Gravel overlying Sand and Gravel
g/s Gravel overlying Sand
sg/s Sand and Gravel overlying Sand
sg/s/sg Sand and Gravel overlying Sand overlying Sand and Gravel
s/g Sand overlying Gravel
s/sg Sand overlying Sand and Gravel

Stacked Coarse Deposits Overlying Fine Deposits

g/s/f Gravel overlying Sand overlying Fines
g/f Gravel overlying Fines
sg/s/f Sand and Gravel overlying Sand overlying Fines
sg/f Sand and Gravel overlying Fines
s/f Sand overlying Fines

Stacked Fine Deposits Overlying Coarse Deposits

f/sg Fines overlying Sand and Gravel
f/s Fines overlying Sand

POSTGLACIAL DEPOSITS

a Floodplain Alluvium
a/sg* Alluvium overlying undifferentiated Coarse deposits (g, sg, s)
a/s Alluvium overlying Sand
a/f Alluvium overlying Fines

a/s/f* Alluvium overlying undifferentiated Coarse deposits overlying Fine deposits
a/f/g* Alluvium overlying undifferentiated Fine deposits overlying Coarse deposits

sw Swamp deposits
sw/s Swamp deposits overlying Sand
sw/f Swamp deposits overlying Fines

sw/s/f Swamp deposits overlying Sand overlying Fines
sw/f/s Swamp deposits overlying Fines overlying Sand

sm Salt-Marsh and Tidal-Marsh deposits
sm/s/f Salt-Marsh and Tidal-Marsh deposits overlying Sand
sm/f Salt-Marsh and Tidal-Marsh deposits overlying Fines

ta Talus
b Beach deposits
af Artificial Fill

* Alluvium may be overlying any of the Coarse deposits (g, sg, s)

W		Water									
PARTICLE DIAMETER											
10	2.5	.16	.08	.04	.02	.01	.005	.0025	.0015	in	
256	64	4	2	1	.5	.25	.125	.063	.032	mm	
Boulders	Cobbles	Pebbles	Granules	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
GRAVEL PARTICLES				SAND PARTICLES				FINE PARTICLES			
Grain-size classification (modified from Wentworth, 1922)											