

# 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/s/f\* 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 Waghpoth, 1972)												