

Sanitary Facilities

The nature of the soil is important in selecting sites for sanitary facilities, and in identifying limiting soil properties and site features to be considered in planning, design, and installation. Soil limitation ratings of slight, moderate, or severe are given for septic tank absorption fields, sewage lagoons, and trench and area type sanitary landfills. Soil suitability ratings of good, fair, and poor are given for daily cover for landfills. Limitations or suitability terms used in this subsection are as follows:

Slight (or Good) - relatively free of limitations or limitations are easily overcome.

Moderate (or Fair) - limitations need to be recognized, but usually can be overcome with good management or special design.

Severe (or Poor or Very Poor) - limitations are difficult or impractical to overcome.

Sanitary Facility Type

Septic Tank Absorption Fields are subsurface systems of tile or perforated pipe that distribute effluent from a septic tank into the natural soil. The centerline depth of the tile is assumed to be at a depth of 24 inches. Only the soil between depths of 24 and 60 inches is considered in making the ratings. The soil properties and site features considered are those that affect the absorption of the effluent, those that affect the construction and maintenance of the system, and those that may affect public health.

Sewage Lagoons are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons have a nearly level floor surrounded by cut slopes or embankments of compacted, relatively impervious soil material. Aerobic lagoons generally are designed so that the depth of sewage is 2 to 5 feet. Relatively impervious soil for the lagoon floor and sides is desirable to minimize seepage and contamination of local ground water.

Sanitary Landfill (trench) is a method of disposing of solid waste by placing refuse in successive layers in an excavated trench. The waste is spread, compacted, and covered daily with a thin layer of soil that is excavated from the trench. When the trench is full, a final cover of soil material at least 2 feet thick is placed over the landfill. Properties that influence risk of pollution, ease of excavation, trafficability, and revegetation are major considerations.

Sanitary Landfill (area) is a method of disposing of solid waste by placing refuse in successive layers on the surface of the soil. The waste is spread, compacted, and covered daily with a thin layer of soil that is imported from a source away from the site. A final cover of soil at least 2 feet thick is placed over the completed landfill. Properties that influence trafficability, revegetation, and risk of pollution are the main considerations for area type sanitary landfills.

Daily Cover For Landfill is the soil material that is applied daily to compacted solid waste in an area type sanitary landfill. The cover material is obtained offsite, transported, and spread on the area. Suitability of a soil for use as cover is based on properties that reflect workability and the ease of digging and of moving and spreading the material over the refuse daily during both wet and dry periods.

See the National Soil Survey Handbook, Part 620, for criteria used in rating specific uses.

SANITARY FACILITIES**Somerset County, Southern part**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
AaB ADAMS	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, too sandy
AaC ADAMS	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, too sandy
AaD ADAMS	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, slope, too sandy
BaB BANGOR	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones
BaC2 BANGOR	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
BgB BANGOR	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones
BgC BANGOR	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
BgD BANGOR	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope

SANITARY FACILITIES

Somerset County, Southern part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
BhB BERKSHIRE	Moderate: percs slowly	Severe: seepage	Severe: seepage	Severe: seepage	Poor: small stones
BhC BERKSHIRE	Moderate: percs slowly, slope	Severe: seepage, slope	Severe: seepage	Severe: seepage	Poor: small stones
BkB BERKSHIRE	Moderate: percs slowly	Severe: seepage	Severe: seepage	Severe: seepage	Fair: small stones
BkC BERKSHIRE	Moderate: percs slowly, slope	Severe: seepage, slope	Severe: seepage	Severe: seepage	Fair: slope, small stones
BkE BERKSHIRE	Severe: slope	Severe: seepage, slope	Severe: seepage, slope	Severe: seepage, slope	Poor: slope
Bo BIDDEFORD	Severe: percs slowly, ponding	Severe: excess humus, ponding	Severe: ponding, too clayey	Severe: ponding	Poor: hard to pack, ponding, too clayey
BuB BUXTON	Severe: percs slowly, wetness	Moderate: slope	Severe: too clayey, wetness	Severe: wetness	Poor: hard to pack, too clayey, wetness
BuC2 BUXTON	Severe: percs slowly, wetness	Severe: slope	Severe: too clayey, wetness	Moderate: slope, wetness	Poor: hard to pack, too clayey
CnC COLTON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy

SANITARY FACILITIES

Somerset County, Southern part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
CnD COLTON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
CnE COLTON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
DxB DIXMONT	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: wetness
DxC DIXMONT	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Severe: wetness	Poor: wetness
DyB DIXMONT	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: wetness
DyC DIXMONT	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Severe: wetness	Poor: wetness
Dz DUNE LAND	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, slope, too sandy
Ha HADLEY	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Good.:
Lc LEICESTER	Severe: wetness	Severe: seepage, wetness	Severe: seepage, wetness	Severe: seepage, wetness	Poor: wetness

SANITARY FACILITIES

Somerset County, Southern part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
Lk LIMERICK	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Poor: wetness
LyB LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock, small stones
LyC LYMAN	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock, small stones
LzC LYMAN	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock
LzE LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope
MbB MADAWASKA	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness
MeB MELROSE	Severe: percs slowly	Severe: seepage	Severe: too clayey	Severe: seepage	Poor: hard to pack, too clayey
Mn MIXED ALLUVIAL LAND	Severe: flooding, ponding	Severe: flooding, ponding, seepage	Severe: flooding, ponding, seepage	Severe: flooding, ponding	Poor: seepage, small stones, too sandy
Mo MONARDA	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: small stones, wetness

SANITARY FACILITIES**Somerset County, Southern part**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
Mr MONARDA	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: small stones, wetness
Pa PEAT	Severe: ponding	Severe: excess humus, seepage	Severe: ponding, seepage	Severe: ponding, seepage	Poor: excess humus, ponding
MUCK	Severe: ponding	Severe: excess humus, ponding, seepage	Severe: excess humus, ponding, seepage	Severe: ponding, seepage	Poor: excess humus, ponding
PcB PERU	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Moderate: wetness	Fair: small stones, wetness
PdB PERU	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Moderate: wetness	Fair: small stones, wetness
PdC PERU	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Moderate: slope, wetness	Fair: slope, small stones, wetness
PgB PLAISTED	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones, wetness
PgC PLAISTED	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope, wetness	Fair: slope, small stones, wetness
PrB PLAISTED	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones

SANITARY FACILITIES

Somerset County, Southern part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
PrC PLAISTED	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
PrD PLAISTED	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
RtC ROCK LAND	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
THORNDIKE	Severe: depth to rock	Severe: depth to rock, large stones, slope	Severe: depth to rock, large stones	Severe: depth to rock	Poor: depth to rock, seepage, small stones
LYMAN	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock
RtE ROCK LAND	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope
THORNDIKE	Severe: depth to rock, slope	Severe: depth to rock, large stones, slope	Severe: depth to rock, large stones, slope	Severe: depth to rock, slope	Poor: depth to rock, seepage, small stones
LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope
Sc SCANTIC	Severe: percs slowly, wetness	Slight:	Severe: too clayey, wetness	Severe: wetness	Poor: hard to pack, too clayey, wetness

SANITARY FACILITIES

Somerset County, Southern part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
Sk SKOWHEGAN	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness
StB STETSON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
SuC2 SUFFIELD	Severe: percs slowly, wetness	Severe: slope	Severe: too clayey, wetness	Moderate: slope, wetness	Poor: hard to pack, too clayey
SuD2 SUFFIELD	Severe: percs slowly, slope, wetness	Severe: slope	Severe: slope, too clayey, wetness	Severe: slope	Poor: hard to pack, slope, too clayey
TkC THORNDIKE	Severe: depth to rock	Severe: depth to rock, large stones, slope	Severe: depth to rock, large stones	Severe: depth to rock	Poor: depth to rock, seepage, small stones
TkD THORNDIKE	Severe: depth to rock, slope	Severe: depth to rock, large stones, slope	Severe: depth to rock, large stones, slope	Severe: depth to rock, slope	Poor: depth to rock, seepage, small stones
TpB THORNDIKE	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, seepage, small stones
PLAISTED	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones, wetness
TpC THORNDIKE	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, seepage, small stones

SANITARY FACILITIES

Somerset County, Southern part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
TpC					
PLAISTED	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope, wetness	Fair: slope, small stones, wetness
TpD					
THORNDIKE	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, seepage, small stones
PLAISTED	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
TtB					
THORNDIKE	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, seepage, small stones
BANGOR	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones
TtC					
THORNDIKE	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, seepage, small stones
BANGOR	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
TtD					
THORNDIKE	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, seepage, small stones
BANGOR	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope

SANITARY FACILITIES**Somerset County, Southern part**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
Wa WALPOLE	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness
Wn WINOOSKI	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Fair: wetness