

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

Aroostook County, Northeastern 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
AgA ALLAGASH	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
AgB ALLAGASH	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
AgC ALLAGASH	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
AgD ALLAGASH	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
BeB BENSON	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: area reclaim, small stones
BeC BENSON	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: area reclaim, small stones
BeD BENSON	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: area reclaim, slope, small stones
CdB CANANDAIGUA	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: wetness

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
CgA CARIBOU	Moderate: percs slowly	Moderate: seepage	Slight:	Slight:	Poor: small stones
CgB CARIBOU	Moderate: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Poor: small stones
CgC CARIBOU	Moderate: percs slowly, slope	Severe: slope	Moderate: slope	Moderate: slope	Poor: small stones
CgC2 CARIBOU	Moderate: percs slowly, slope	Severe: slope	Moderate: slope	Moderate: slope	Poor: small stones
CgD CARIBOU	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope, small stones
CgD2 CARIBOU	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope, small stones
CgE CARIBOU	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope, small stones
CoA CONANT	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness
CoB CONANT	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness

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CoC CONANT	Severe: wetness	Severe: slope, wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness
DaA DAIGLE	Severe: percs slowly, wetness	Moderate: seepage	Severe: wetness	Severe: wetness	Poor: small stones, wetness
DaB DAIGLE	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: small stones, wetness
DaC DAIGLE	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Severe: wetness	Poor: small stones, wetness
EaA EASTON	Severe: percs slowly, wetness	Moderate: excess humus	Severe: wetness	Severe: wetness	Poor: wetness
WASHBURN	Severe: percs slowly, ponding	Severe: ponding	Severe: ponding	Severe: ponding	Poor: ponding
EaB EASTON	Severe: percs slowly, wetness	Moderate: excess humus, slope	Severe: wetness	Severe: wetness	Poor: wetness
WASHBURN	Severe: percs slowly, ponding	Severe: ponding	Severe: ponding	Severe: ponding	Poor: ponding
EsB EASTON	Severe: percs slowly, wetness	Moderate: excess humus, slope	Severe: wetness	Severe: wetness	Poor: small stones, wetness

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EsB WASHBURN	Severe: percs slowly, ponding	Severe: ponding	Severe: ponding	Severe: ponding	Poor: ponding
FhA FREDON	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, small stones, too sandy
HALSEY	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, wetness	Severe: seepage, wetness	Poor: seepage, small stones, too sandy
FhB FREDON	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, small stones, too sandy
HALSEY	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, wetness	Severe: seepage, wetness	Poor: seepage, small stones, too sandy
HaA HADLEY	Moderate: flooding, percs slowly	Moderate: seepage	Moderate: flooding	Moderate: flooding	Good.:
HaB HADLEY	Moderate: flooding, percs slowly	Severe: slope	Moderate: flooding	Moderate: flooding	Good.:
HoA HOWLAND	Severe: percs slowly, wetness	Moderate: seepage	Severe: wetness	Severe: wetness	Poor: wetness
HoB HOWLAND	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: wetness

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
HoC HOWLAND	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Severe: wetness	Poor: wetness
HvB HOWLAND	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: wetness
HvC HOWLAND	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Severe: wetness	Poor: wetness
MaA MACHIAS	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, small stones, too sandy
MaB MACHIAS	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, small stones, too sandy
MaC MACHIAS	Severe: poor filter, wetness	Severe: seepage, slope, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, small stones, too sandy
MbA MADAWASKA	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness
MbB MADAWASKA	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness
MbC MADAWASKA	Severe: poor filter, wetness	Severe: seepage, slope, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
Md MADELAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
MhB MAPLETON	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, small stones
MhC MAPLETON	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, small stones
MhC2 MAPLETON	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, small stones
MhD MAPLETON	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, slope, small stones
MmC MAPLETON	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, small stones
MmD MAPLETON	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Poor: depth to rock, slope, small stones
Mn MIXED ALLUVIAL LAND PD	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Poor: wetness
Mn MIXED ALLUVIAL LAND VPD	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Poor: ponding

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MoA					
MONARDA	Severe: percs slowly, wetness	Moderate: seepage	Severe: wetness	Severe: wetness	Poor: small stones, wetness
BURNHAM	Severe: percs slowly, ponding	Severe: excess humus, ponding, seepage	Severe: ponding	Severe: ponding	Poor: ponding, small stones
MoB					
MONARDA	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: small stones, wetness
BURNHAM	Severe: percs slowly, ponding	Severe: excess humus, ponding, seepage	Severe: ponding	Severe: ponding	Poor: ponding, small stones
MrB					
MONARDA	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: small stones, wetness
BURNHAM	Severe: percs slowly, ponding	Severe: excess humus, ponding, seepage	Severe: ponding	Severe: ponding	Poor: ponding, small stones
NcA					
NICHOLVILLE	Severe: wetness	Severe: wetness	Severe: wetness	Moderate: wetness	Good.:
NcB					
NICHOLVILLE	Severe: wetness	Severe: wetness	Severe: wetness	Moderate: wetness	Good.:
Pa					
MUCK	Severe: percs slowly, wetness	Severe: excess humus, seepage	Severe: wetness	Severe: seepage, wetness	Poor: wetness

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Pa PEAT	Severe: wetness	Severe: excess humus, seepage, wetness	Severe: excess humus, seepage, wetness	Severe: seepage, wetness	Poor: excess humus, wetness
PeA PERHAM	Severe: percs slowly, wetness	Moderate: seepage	Severe: wetness	Moderate: wetness	Poor: small stones
PeB PERHAM	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Moderate: wetness	Poor: small stones
PeC PERHAM	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Moderate: slope, wetness	Poor: small stones
PeD PERHAM	Severe: percs slowly, slope, wetness	Severe: slope	Severe: slope, wetness	Severe: slope	Poor: slope, small stones
PgA PLAISTED	Severe: percs slowly	Moderate: seepage	Slight:	Slight:	Fair: small stones
PgB PLAISTED	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones
PgC PLAISTED	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
PgD PLAISTED	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
PgE PLAISTED	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
PrB PLAISTED	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones
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
PrE PLAISTED	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
PvB PLAISTED	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones
HOWLAND	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: wetness
PvC PLAISTED	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
HOWLAND	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Severe: wetness	Poor: wetness

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RaA					
RED HOOK	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness
ATHERTON	Severe: ponding	Severe: ponding, seepage	Severe: ponding, seepage	Severe: ponding, seepage	Poor: ponding
RaB					
RED HOOK	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness
ATHERTON	Severe: ponding	Severe: ponding, seepage	Severe: ponding, seepage	Severe: ponding, seepage	Poor: ponding
Re					
RIVERWASH	Severe: flooding, poor filter, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Poor: small stones, too sandy, wetness
SaA					
SALMON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
SaB					
SALMON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
SaC					
SALMON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
Sb					
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope

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Sb 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
SgA STETSON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
SgB STETSON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
SgC STETSON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
SgD STETSON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
SgE STETSON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
ThB THORNDIKE	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, seepage, small stones
ThC 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
ThD 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

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ThE 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
TkB THORNDIKE	Severe: depth to rock	Severe: depth to rock, large stones	Severe: depth to rock, large stones	Severe: depth to rock	Poor: depth to rock, seepage, small stones
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
TkE 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
TrE 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
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope
TsB THORNDIKE	Severe: depth to rock	Severe: depth to rock, large stones	Severe: depth to rock, large stones	Severe: depth to rock	Poor: depth to rock, seepage, small stones
HOWLAND	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Severe: wetness	Poor: wetness

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
TsC					
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
HOWLAND	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Severe: wetness	Poor: wetness
Wn					
WINOOSKI	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Fair: wetness