

Recreational Development

General

The soils are rated according to limitations that affect their suitability for camp areas, picnic areas, playgrounds, and paths and trails. Not considered in these ratings, but important in evaluating a site, are location and accessibility of the area, size and shape of the area and its scenic quality, the ability of the soil to support vegetation, access to water, potential water impoundment sites available, and either access to public sewer lines or capacity of the soil to absorb septic tank effluent. Soils subject to flooding are limited in varying degrees for recreational use by the duration of flooding and the season when it occurs. Onsite assessment of height, duration, and frequency of flooding is essential in planning recreational facilities.

Camp Areas

These are tracts of land used intensively as sites for tents, trailers, campers, and accompanying activities of outdoor living. Camp areas require such site preparation as shaping and leveling in areas for tents and parking areas, for stabilizing roads and intensively used areas, and for installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic. The soils are rated on the basis of soil properties that influence the ease of developing camping area and the performance of the camping area after development. Soil properties that influence trafficability and promote the growth of vegetation after heavy use are also important.

Picnic Areas

Picnic areas are natural or landscaped tracts used primarily for preparing meals and eating outdoors. These areas are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking lots. Soils are rated on the basis of properties that influence development costs of shaping the site, trafficability, and growth of vegetation after development. The surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry.

Playgrounds

These are areas used intensively for games such as baseball, football, and similar activities. Playgrounds require a nearly level soil that is free of stones and that can withstand heavy foot traffic and still maintain adequate vegetation. Soils are rated on the basis of properties that influence cost of shaping, trafficability, and growth of vegetation. Slope and stoniness are the main concerns in developing playgrounds. For good trafficability, the surface of playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry.

Paths and Trails

Paths and trails are used for walking, horseback riding, and similar uses, and should require little or no cutting and filling in site preparation. Soils are rated on properties that influence trafficability and erodibility. Paths and trails should remain firm under foot traffic and not be dusty when dry.

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

Recreational Interpretations

General

The purpose of these interpretative ratings is to help engineers, planners, and others understand how soil properties influence behavior when used for recreational uses such as camp areas, picnic areas, playgrounds, and paths and trails. Soils are rated for the uses expected to be important or potentially important to users of soil survey information. Ratings for proposed uses are given in terms of limitations. Only the most restrictive features are listed. Other features may need to be treated to overcome soil limitations for a specific purpose.

Soils are rated in their "natural" state, that is, no unusual modification of the soil site or material is made other than that which is considered normal practice for the rated use. Even though soils may have limitations, it is important to remember that engineers and others can modify soil features or can design or adjust the plans for a recreational use to compensate for most degrees of limitations. Most of these practices, however are costly. The final decision in selecting a site for a particular use generally involves weighing the costs for site preparation and maintenance.

Limitation Ratings

1. Slight - is the rating given soils that have properties favorable for the use. The degree of limitation is minor and can be overcome easily. Good performance and low maintenance can be expected.
2. Moderate - is the rating given soils that have properties moderately favorable for the use. This degree of limitation can be overcome or modified by special planning, design, or maintenance. During some part of the year, the expected performance is less desirable than for soils rated slight.
3. Severe - is the rating given soils that have one or more properties unfavorable for the rated use, such as steep slopes, bedrock near the surface, flooding, or a seasonal high water table. This degree of limitation generally requires major soil reclamation, special design, or intensive maintenance, which in most situations is difficult and costly.

RECREATIONAL DEVELOPMENT

Knox and Lincoln County

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	Camp Areas	Picnic Areas	Playgrounds	Path and Trails
AdB ADAMS	Slight:	Slight:	Moderate: slope	Slight:
AdC ADAMS	Moderate: slope	Moderate: slope	Severe: slope	Slight:
AdD ADAMS	Severe: slope	Severe: slope	Severe: slope	Moderate: slope
AgA ALLAGASH	Slight:	Slight:	Moderate: small stones	Slight:
AgB ALLAGASH	Slight:	Slight:	Moderate: slope, small stones	Slight:
AgC ALLAGASH	Moderate: slope	Moderate: slope	Severe: slope	Slight:
Be BEACHES	Severe: flooding, too sandy, wetness	Severe: excess salt, too sandy, wetness	Severe: flooding, too sandy, wetness	Severe: too sandy, wetness
Bg BIDDEFORD	Severe: percs slowly, ponding	Severe: excess humus, percs slowly, ponding	Severe: excess humus, percs slowly, ponding	Severe: excess humus, ponding
BoB BOOTHBAY	Severe: wetness	Moderate: percs slowly, wetness	Severe: wetness	Moderate: wetness
BoC BOOTHBAY	Severe: wetness	Moderate: percs slowly, slope, wetness	Severe: slope, wetness	Moderate: wetness
BoD2 BOOTHBAY	Severe: slope, wetness	Severe: slope	Severe: slope, wetness	Moderate: slope, wetness

RECREATIONAL DEVELOPMENT

Knox and Lincoln County

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	Camp Areas	Picnic Areas	Playgrounds	Path and Trails
Bp BOROSAPRISTS	Severe: excess humus, ponding	Severe: excess humus, ponding	Severe: excess humus, ponding	Severe: excess humus, ponding
BsB BRAYTON	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness
BtB BRAYTON	Severe: wetness	Severe: wetness	Severe: large stones, small stones	Severe: wetness
BuB BUXTON	Severe: percs slowly, wetness	Severe: percs slowly, wetness	Severe: percs slowly, wetness	Severe: wetness
BuC BUXTON	Severe: percs slowly	Severe: percs slowly	Severe: percs slowly, slope	Moderate: wetness
BuD2 BUXTON	Severe: percs slowly, slope	Severe: percs slowly, slope	Severe: percs slowly, slope	Moderate: slope, wetness
Ch CHARLES	Severe: flooding, wetness	Severe: wetness	Severe: flooding, wetness	Severe: wetness
Dp DUMPS	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
PITS	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Slight:
EgB ELDRIDGE	Severe: wetness	Moderate: percs slowly, wetness	Severe: wetness	Moderate: wetness
HeB HERMON	Slight:	Slight:	Moderate: slope, small stones	Slight:

RECREATIONAL DEVELOPMENT

Knox and Lincoln County

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	Camp Areas	Picnic Areas	Playgrounds	Path and Trails
HeC HERMON	Moderate: slope	Moderate: slope	Severe: slope	Slight:
HtB HERMON	Moderate: large stones, small stones	Moderate: large stones, small stones	Severe: large stones, small stones	Moderate: large stones
HtC HERMON	Moderate: large stones, slope	Moderate: large stones, slope	Severe: large stones, slope, small stones	Moderate: large stones
HtD HERMON	Severe: slope	Severe: slope	Severe: large stones, slope, small stones	Moderate: large stones, slope
HxB HERMON	Severe: large stones	Severe: large stones	Severe: large stones, small stones	Moderate: large stones
HxC HERMON	Severe: large stones	Severe: large stones	Severe: large stones, slope, small stones	Moderate: large stones
Le LOVEWELL	Severe: flooding	Moderate: wetness	Moderate: flooding, wetness	Moderate: wetness
LmB LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, large stones	Slight:
BRAYTON VARIANT	Severe: wetness	Severe: wetness	Severe: large stones, small stones	Severe: wetness
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Slight:
LrB LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, large stones	Slight:

RECREATIONAL DEVELOPMENT

Knox and Lincoln County

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	Camp Areas	Picnic Areas	Playgrounds	Path and Trails
LrB ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Slight:
TUNBRIDGE	Moderate: small stones	Moderate: small stones	Severe: large stones, small stones	Slight:
LrC LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, large stones, slope	Slight:
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, slope	Slight:
TUNBRIDGE	Moderate: slope, small stones	Moderate: slope, small stones	Severe: large stones, slope, small stones	Slight:
LrE LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, large stones, slope	Severe: slope
ROCK OUTCROP	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope
TUNBRIDGE	Severe: slope	Severe: slope	Severe: large stones, slope, small stones	Severe: slope
MaB MADAWASKA	Severe: wetness	Moderate: wetness	Severe: wetness	Moderate: wetness
MrB MARLOW	Moderate: percs slowly	Moderate: percs slowly	Moderate: slope, small stones	Slight:
MrC MARLOW	Moderate: percs slowly, slope	Moderate: percs slowly, slope	Severe: slope	Slight:

RECREATIONAL DEVELOPMENT

Knox and Lincoln County

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	Camp Areas	Picnic Areas	Playgrounds	Path and Trails
MrD MARLOW	Severe: slope	Severe: slope	Severe: slope	Moderate: slope
MsB MARLOW	Moderate: percs slowly	Moderate: percs slowly	Moderate: large stones, slope	Slight:
MsC MARLOW	Moderate: percs slowly, slope	Moderate: percs slowly, slope	Severe: slope	Slight:
MsD MARLOW	Severe: slope	Severe: slope	Severe: slope	Moderate: slope
MtB MARLOW	Moderate: percs slowly	Moderate: percs slowly	Moderate: slope, small stones	Slight:
MtC MARLOW	Moderate: percs slowly, slope	Moderate: percs slowly, slope	Severe: slope	Slight:
MwB MARLOW	Moderate: percs slowly	Moderate: percs slowly	Moderate: large stones, slope	Slight:
MwC MARLOW	Moderate: percs slowly, slope	Moderate: percs slowly, slope	Severe: slope	Slight:
MtC BERKSHIRE	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight:
MwC BERKSHIRE	Moderate: slope, small stones	Moderate: slope, small stones	Severe: slope, small stones	Slight:
MwB BERKSHIRE	Moderate: large stones, small stones	Moderate: large stones, small stones	Severe: large stones, small stones	Slight:

RECREATIONAL DEVELOPMENT

Knox and Lincoln County

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	Camp Areas	Picnic Areas	Playgrounds	Path and Trails
MwC BERKSHIRE	Moderate: large stones, slope	Moderate: large stones, slope	Severe: large stones, slope, small stones	Slight:
MwD MARLOW	Severe: slope	Severe: slope	Severe: slope	Moderate: slope
BERKSHIRE	Severe: slope	Severe: slope	Severe: large stones, slope, small stones	Moderate: slope
MxB MASARDIS	Moderate: small stones	Moderate: small stones	Severe: small stones	Slight:
MxC MASARDIS	Moderate: slope, small stones	Moderate: slope, small stones	Severe: slope, small stones	Slight:
MxD MASARDIS	Severe: slope	Severe: slope	Severe: slope, small stones	Moderate: slope
My MEDOMAK	Severe: flooding, ponding	Severe: ponding	Severe: flooding, ponding	Severe: ponding
Na NAUMBURG	Severe: too sandy, wetness	Severe: too sandy, wetness	Severe: too sandy, wetness	Severe: too sandy, wetness
PaB PERU	Moderate: percs slowly, wetness	Moderate: percs slowly, wetness	Moderate: slope, small stones, wetness	Moderate: wetness
PaC PERU	Moderate: percs slowly, slope, wetness	Moderate: percs slowly, slope, wetness	Severe: slope	Moderate: wetness
PbB PERU	Moderate: percs slowly, wetness	Moderate: percs slowly, wetness	Moderate: large stones, slope, wetness	Moderate: wetness

RECREATIONAL DEVELOPMENT

Knox and Lincoln County

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	Camp Areas	Picnic Areas	Playgrounds	Path and Trails
PbC PERU	Moderate: percs slowly, slope, wetness	Moderate: percs slowly, slope, wetness	Severe: slope	Moderate: wetness
Pg PITS	Severe: small stones, too sandy	Severe: small stones, too sandy	Severe: small stones, too sandy	Severe: small stones, too sandy
Rc ROCK OUTCROP	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope
RmC ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, slope	Slight:
LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, large stones, slope	Slight:
RmE ROCK OUTCROP	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: slope
LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, large stones, slope	Severe: slope
Sc SCANTIC	Severe: percs slowly, wetness	Severe: percs slowly, wetness	Severe: percs slowly, wetness	Severe: wetness
Sp SEARSPORT	Severe: excess humus, ponding	Severe: excess humus, ponding	Severe: excess humus, ponding	Severe: excess humus, ponding
StB SHEEPSCOT	Moderate: wetness	Moderate: wetness	Moderate: slope, small stones	Moderate: wetness
Su SULFIHEMISTS	Severe: excess humus, flooding, ponding	Severe: excess humus, excess salt, ponding	Severe: excess humus, flooding, ponding	Severe: excess humus, ponding

RECREATIONAL DEVELOPMENT

Knox and Lincoln County

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	Camp Areas	Picnic Areas	Playgrounds	Path and Trails
Su SULFAQUENTS	Severe: flooding, percs slowly, ponding	Severe: excess salt, percs slowly, ponding	Severe: flooding, percs slowly, ponding	Severe: ponding
Sw SWANVILLE	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness
TrB TUNBRIDGE	Slight:	Slight:	Moderate: slope, small stones	Slight:
LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, small stones	Slight:
TrC TUNBRIDGE	Moderate: slope	Moderate: slope	Severe: slope	Slight:
LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, slope, small stones	Slight:
TrD TUNBRIDGE	Severe: slope	Severe: slope	Severe: slope	Moderate: slope
LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope, small stones	Moderate: slope
Ud UDORTHENTS	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
URBAN LAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable