

4851

547 Riverside Street Robert Leblanc Portland, ME

## **Soil Narrative Report**

DATE: Soil Profiles observed on February 24, 2017

BASE MAP: Base plan provided by Owen Haskell, Inc.

scale 1 inch equals 40 feet and one foot contours.

GROUND CONTROL: Soil survey boundaries located by Mark Hampton Associates,

Inc. for Class B Soil Survey

## Class B-High Intensity Soil Survey (Minimum Standards)

Mapping units of 1 acre or larger.

Scale of 1"= 100 feet or larger.

Up to 25% inclusions in mapping units of which no more than 15% may be dissimilar soils

Ground Control – test pits located accurately under direction of registered land surveyor Base Map –2 foot contour intervals

## **Provided:**

Mapping units of 1/2 acre or larger

Base map scale of 1"= 40 feet.

Up to 25 percent inclusions in mapping units of which no more than 15 percent is dissimilar soils.

Baseline information and test pits located by Mark Hampton Associates, Inc. Ground topographic survey with 1 foot contours and ground control provided.

The accompanying soil profile descriptions, soil map, and this soil narrative report were done in accordance with the standards adopted by the Maine Association of Professional Soil Scientists, and the Maine Board of Certification of Geologists and Soil Scientists.

Mark J. Hampton

\_<del>C.S.S.</del> #216, L.S.E. #263\_\_**<**\_

MARK J. HAMP ON #216

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547 Riverside Street Robert Leblanc Portland, ME

#### **Buxton**

(Aquic Dystric Eutrochrepts)

#### **SETTING**

PARENT MATERIAL:

Derived from glaciomarine or glaciolaucustrine

sediments

LANDFORM:

Coastal lowlands and river valleys Intermediate positions on landform

POSITION IN LANDSCAPE:

(A) 0-3%SLOPE GRADIENT RANGES:

# COMPOSITION AND SOIL CHARACTERISTICS

DRAINAGE CLASS:

Moderately well drained with a perched watertable from 1.5 to 3.0 feet below the surface at some time from November to May or during periods of heavy

precipitation.

TYPICAL PROFILE:

Surface Layer:

Dark Brown, fine sandy loam 0-7".

MARK J.

Subsurface Layer: Subsoil Layer:

Olive brown, silt loam, 8-15" Olive gray silty clay loam,

15-32"

Substratum:

Gray silty clay loam +32"

HYDROLOGIC GROUP:

Group C

SURFACE RUNOFF:

Moderate to moderately slow

PERMEABILITY:

Slow to very slow

DEPTH TO BEDROCK:

Greater than 60 inches

None HAZARD TO FLOODING:

> **INCLUSIONS** (Within Mapping Unit)

CONTRASTING:

Scantic, Lamoine

#### USE AND MANAGEMENT

Development: The limiting factor for building site development is wetness due to the presence of a high watertable for a portion of the year. Proper foundation drainage or site modification is recommended.



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#### Lamoine

(Aeric Haplaquepts)

**SETTING** 

PARENT MATERIAL:

Derived from glaciomarine or glaciolaucustrine

sediments

LANDFORM:

Coastal lowlands and river valleys

POSITION IN LANDSCAPE:

Intermediate positions on landform

SLOPE GRADIENT RANGES:

(A) 0-3%

#### **COMPOSITION AND SOIL CHARACTERISTICS**

DRAINAGE CLASS:

Somewhat poorly drained with a perched watertable

from 0.5 to 2.0 feet below the surface at some time from November to June or during periods of heavy

precipitation.

TYPICAL PROFILE:

Surface Layer:

Dark Brown, fine sandy loam 0-7" Lt. Olive brown silt loam, 7-14"

Subsurface Layer:
Subsoil Layer:

Olive silty clay loam, 14-21"

Substratum:

Olive, silty clay loam, 21-65"

HYDROLOGIC GROUP:

Group D

SURFACE RUNOFF:

Moderate to moderately slow

PERMEABILITY:

Slow to very slow

DEPTH TO BEDROCK:

Greater than 65 inches

HAZARD TO FLOODING:

None

INCLUSIONS
(Within Mapping Unit)

CONTRASTING:

Buxton, Scantic

#### **USE AND MANAGEMENT**

Development: The limiting factor for building site development is wetness due to the presence of a high watertable for a portion of the year. Proper foundation drainage or site modification is recommended.

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Man Made Land

**SETTING** 

PARENT MATERIAL:

Derived from various materials found onsite and offsite.

LANDFORM:

N/A

POSITION IN LANDSCAPE:

N/A

SLOPE GRADIENT RANGES:

(A) 0-3%

## **COMPOSITION AND SOIL CHARACTERISTICS**

DRAINAGE CLASS:

Generally moderately well to somewhat poorly drained but

varies.

TYPICAL PROFILE:

Varies in profile and onsite from fine loamy sand to silty clay

loan

HYDROLOGIC GROUP:

Group C

SURFACE RUNOFF:

Usually very slow due to compaction

PERMEABILITY:

Slow to very slow

DEPTH TO BEDROCK:

Greater than 65 inches

HAZARD TO FLOODING:

None

# INCLUSIONS (Within Mapping Unit)

CONTRASTING:

Buxton, Lamoine, Scantic

## **USE AND MANAGEMENT**

Development:

There may be limiting factors for building site development.



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#### Scantic

(Aquic Haplorthod)

#### **SETTING**

PARENT MATERIAL:

Derived from glaciomarine or glaciolaucustrine sediments

LANDFORM:

Coastal lowlands and river valleys Lower positions on landform

POSITION IN LANDSCAPE: SLOPE GRADIENT RANGES:

(A) 3-8%

# COMPOSITION AND SOIL CHARACTERISTICS

DRAINAGE CLASS:

Poorly drained with a perched watertable from 0.0 to 1.0 feet below the surface at some time from October to May

or during periods of heavy precipitation.

TYPICAL PROFILE:

Surface Layer:

Dark grayish brown, silt loam 0-9"

Subsurface Layer:

Olive gray silt loam, 9-16"

Substratum:

Gray silty clay loam, 16"+

HYDROLOGIC GROUP:

Group D

SURFACE RUNOFF:

Moderate to moderately slow

PERMEABILITY: DEPTH TO BEDROCK: Slow to very slow Greater than 65 inches

HAZARD TO FLOODING:

None

INCLUSIONS (Within Mapping Unit)

CONTRASTING:

Lamoine, Buxton

## **USE AND MANAGEMENT**

Development: The limiting factor for building site development is wetness due to the presence of a high watertable for a portion of the year. Proper foundation drainage or site modification is recommended.

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Soil Details by Depth below mineral soil surface (inches)	0	Texture  Texture  Soil Classifica  Profile Co Soil Series/Phase Na	tion Slope ndition Percer	Color  Color  Limiting Factor  Hydric Non-hydri	Redox Features  Redox Features  Groundwater Restrictive Layer Bedrock Hydrologic Soil Group	Soil Details by Depth below mineral soil surface (inches)	Soil Classifice  Profile  Control  Control  Soil Series/Phase N	Depth of explora Consistency Consistency ation Slope Depth of explora Dept	Ground surface tion or to refus Color  Color  Depth Color  Color  Color  Color	Redox Features  Redox Features  Redox Features  Hydrologic  Hydrologic  Soil Group
Soil Details by Depth below mineral soil surface (inches)	0 _ 10 - 20 - 30 - 40 - 50 - 50 - 5.E.	Texture  Texture  Soil Classifica  Profile Co Soil Series/Phase Na	tion Slope ndition Percer	Color  Color  Limiting Factor  Hydric Non-hydri	Redox Features  Redox Features  Groundwater Restrictive Layer Bedrock Hydrologic Soil Group	Soil Details by Depth below mineral soil surface (inches)	Soil Classifice  Profile  Control  Control  Soil Series/Phase N	Depth of explora Consistency Consistency ation Slope Depth of explora Dept	Ground surface tion or to refus Color  Color  Depth Color  Color  Color  Color	Redox Features  Redox Features  Redox Features  Hydrologic  Hydrologic  Soil Group
Soil Details by Depth below mineral soil surface (inches)	10- 20- 30- 40- 50- S.E. >>	Texture  Texture  Soil Classifica  Profile Co Soil Series/Phase Na	tion Slope INVESTIGE  INVESTIGE	Color  Color  Limiting Factor  Hydric Non-hydri	Redox Features  Redox Features	Soil Details by Depth below mineral soil surface (inches)	Soil Classific  Profile Co Soil Series/Phase N  RE ett/Lic/Reg. #2	Depth of explora Consistency Consistency ation Slope Depth of explora Dept	Ground surface tion or to refus  Color  Color  Depth  #21	Redox Features  Redox Features  Redox Features  Hydrologic  Hydrologic  Soil Group