### SITE INFORMATION

Elevation about 1590 ft. Native vegetation is dominantly balsam fir and red spruce, with scattered white birch, beech, and aspen.

### LANDFORM

4.8% sloping to the S-SE on loess-covered glacial moraine.

### HILLSLOPE POSITION



### SOIL TEMPERATURE AND MOISTURE REGIME

Soil temperature regime is frigid. Soil moisture regime is udic.

### SOIL PIT INFORMATION

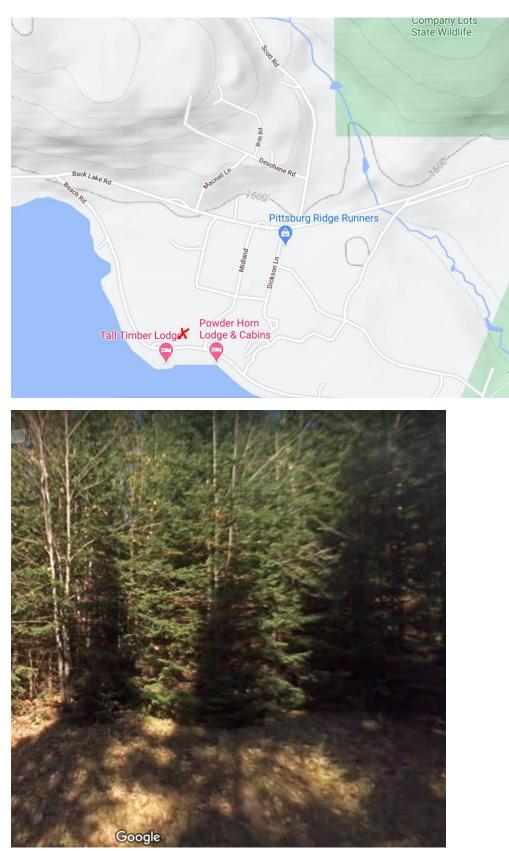
The upland soil formed in glacial till (ablation till) with a loess cap. Clay content is very low in all the soils of the region. Bedrock is phyllite, a fine-textured felsic metamorphic rock. Soils of the area are very strongly to excessively acid. There is no evidence of clay illuviation. The 3<sup>rd</sup> horizon sand grains have 25% cracked coatings, and it is 90% continuously cemented, and the 4<sup>th</sup> horizon has 15% cracked coatings. No other horizon has more than a trace. The 6<sup>th</sup> horizon is a transitional horizon. The 6<sup>th</sup> horizon separates into thick platy units that are not pedogenic. They formed by unloading following glacial meltback. Sands are mostly very fine. There are no roots in 6<sup>th</sup> horizon, but the gravels are subrounded.

## CHARACTERIZATION DATA

Horizon	OC %	Base Sat %	pH (water)	Fe by ammonium oxalate (NH4OAc)	Al + Fe by ammonium oxalate (NH4OAc)	ODOE
1	4.27	25	3.5	Tr	0.15	0.11
2	0.43	20	3.9	Tr	0.25	0.12
3	10.06	18	5.5	0.09	0.52	0.27
4	5.99	12	5.5	0.12	0.50	0.26
5	1.61	22	5.4	0.03	0.18	0.25
6	0.12	29	5.8	Tr	Tr	0.10

### SITE IMAGE

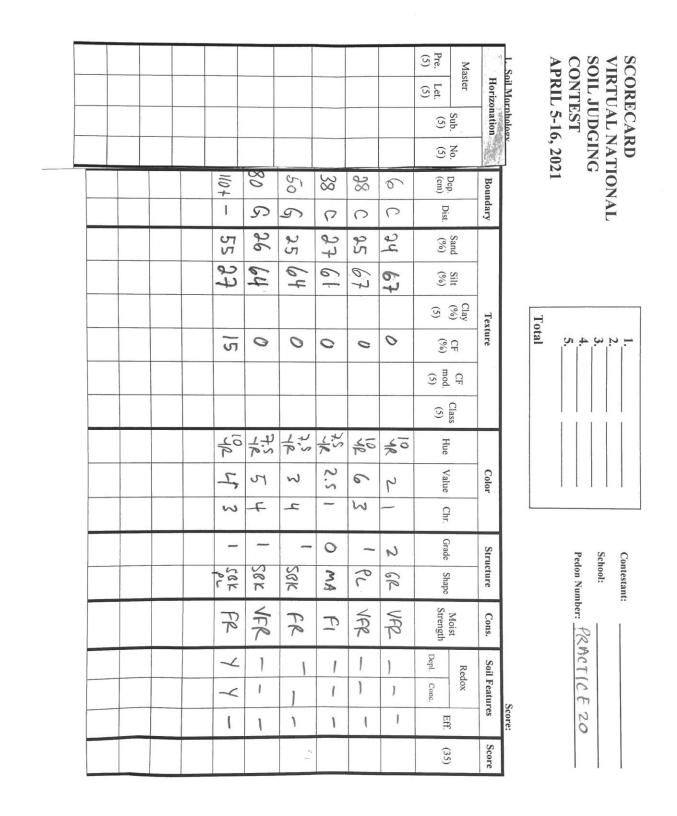




### **PROFILE IMAGE**



### SCORECARD



: Cond	cs (10) Loading Rate at 75 cm (5)	Effective Soil Depth (5)	Water Retention Difference (5)	n Difference (5)
Surface (5) Limiting Layer (5)   High High   Mod. Mod.   Low Low	1	V. shallow (<25 cm) Shallow (25 to 49 cm) Mod. deep (50 to 99 cm) Deep (100 to 149 cm)		<7.5 cm) <15 cm) <22.5 cm)
	Ref. (2)	Very deep (≥150 cm)	High (≥ 22.5 cm)	5 cm)
3. Site Characteristics				
Parent Material (GIVEN)	Landform (GIVEN)	Slope (GIVEN)	Slope Profile (5)	Surface Runoff (5)
ABLATION	UPLAND	4.87	Summit Backslope	Ponded Very slow Slow
TILL			Footslope Toeslope None	Rapid Very rapid
4. Soil Classification				
Epipedon (S)	Subsurface horizons and/or diagnostic features (5 each)	and/or 5 each) Order (10)	Subo	Suborder (10)
5. Interpretations				
Houses with Basements (3)	Septic Tank Abs. Fields (3)	) Local Roads and Streets (3)	Corn (3)	Hopyards (3)
	Slight Moderate Severe	Slight Moderate Severe	Slight Moderate Severe	Slight Moderate
Slight Moderate Severe	Reason $\#(2)$ .	Reason (2):		Jevele