Itasca Biological Station & Laboratories – University of Minnesota

Maps of Station campus, Lake Itasca, and Research & Demonstration Areas
Station Campus and Lake Itasca Maps
Vegetation Types of the
Prairie and Deciduous Forest

Upland Prairie—Big bluestem, Indian grass, Needle and
Grasses, other forbs

Prairie Wetland—Bluegrass, Curlygrass, Cattails,
Rushes, Sedges

Aspen Parkland—Aspen groves with prairie and sedge
Meadow openings

Oak Woodland and Brushland—Bur oak and pin oak,
Aspen and hazel thickets, and prairie openings

Floodplain Forest—Silver maple, elm, cottonwood,
Willow

Maple-Basswood Forest—Elm, basswood, sugar
maple, red oak, white oak

Vegetation Types of the Conifer Forest

Northern Hardwood Forest—Sugar maple, yellow
Birch, basswood, and occasional white pine

Great Lakes Pine Forest—White pine, red pine with
Paper birch, and aspen

Jack Pine Forest—Jack pine with red pine, oak and
Hazel

Boreal Hardwood-Conifer Forest—Aspen, birch,
Balsam fir, white spruce, white cedar

Peatland—Sedge fen, black spruce-sphagnum bog,
White cedar-black ash swamp

Photo credits:
Richard Hamilton Smith, cover photos and 1, 3, 4, 7, 8;
Keith Wendt, photos 2, 5, 6, 9, 10; Barbara Coffin, photo 10.
Itasca – Terminal Moraine and “land of 10K lakes” other than Lake Itasca
North Plot – 19 acres; 7.7 hectares
Science Demonstration Area (SDA)
North Plot – Itasca (19 Acres; 7.7 hectares)

To Iron Springs Bog parking

Iron Springs Bog (SNA) restricted permit-science ONLY!
South Plot – 44 acres; 17.8 hectares
Research Area
**South Plot – Itasca (44 acres; 17.8 hectares)**

- **Entrance**: 4x4 only!
- **Equipment shed/Screen porch**: Meadow
- **Meadow**: Aspen/Fir
- **Aspen/Fir**: Forest
- **Forest**: Meadow
- **Meadow**: Wetland
- **Wetland**: Tansy Meadow
- **Tansy Meadow**: Aspen/Fir/Ash
- **Aspen/Fir/Ash**: Maple/Oak upland
- **Maple/Oak upland**: Pine upland
- **Pine upland**: Wet forest ravine
Soils - North/South Plots – Itasca approximates/dominants

Alfisol; Two inlets surface pH 6.5

Histisol; Mooselake

Alfisol; Sugarbush surface pH 6.0

Alfisol; Beltrami loam pH 6.5

Alfisol; Sugarbush surface pH 6.0

Alfisol; Lengby surface pH 6.6

Histisol; Bullwinkle

Entisol; Eagleview surface pH 6.5

Alfisol; Sugarbush surface pH 6.0

Adapted and mapped using data from https://casoilresource.lawr.ucdavis.edu/gmap/
**North Plot** grid walk

Left margin is every 0.05 mile starting from southeast corner marker and walking north, first

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Red dots/boxes – Sample these first (1st pass)

Gray dots/boxes – Sample second (2nd pass)

Grid with coordinates used for a ‘timber cruise’ and coarse woody debris (CWD) sampling in 2018
South Plot grid walk
Left margin is every 0.05 mile starting from southeast corner marker and walking north, first

http://www.hillmap.com/m/ag1zfmpbGxtXAtaGRychULEghTYXZlZE1hcBiAgID0t9W