

TF20-0206 LLNP Expansion Survey Route July 30, 2020

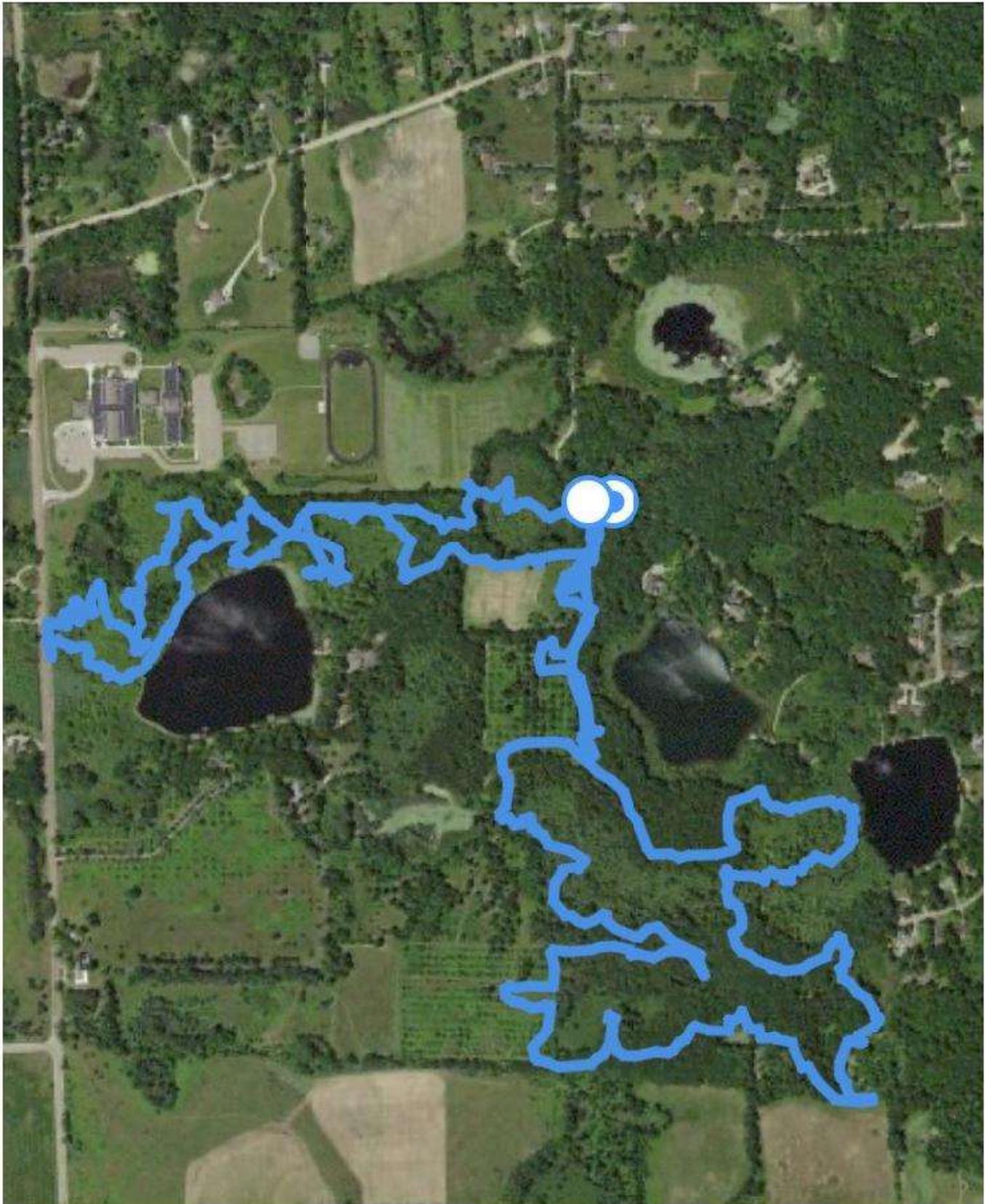
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TF20-0206 LLNP Expansion Bog Natural Community



Bog with leatherleaf, black spruce, tamarack near Eastern Boundary



Plants Found in Bog:

Cotton grass (L)

Pitcher Plant (R)

Round-leaved sundew (L)

Cranberry (R)



TF20-0206 LLNP Expansion Forest Natural Community



Dry-mesic forest west of the bog with ground cover of pennsylvania sedge.



Dry-mesic forest west of the bog supports huckleberry, four-leaved loosestrife, wintergreen



An upland island in the NW wetland has a mature white pine/oak canopy.



Naked tick-trefoil (*Hylodesmum nudiflorum*) flowering in the forest near the bog.



Pine plantation on the north side of the lake

TF20-0206 LLNP Expansion Northwest Wetland Natural Communities (1 of 3)

The northwest wetland complex includes prairie fen, southern wet meadow, and southern shrub-carr. The prairie fen lines Clam Lake, extends along the West Branch of Stony Creek all the way to Lake George Road, and a few other pockets in the wetland. The fen is beautifully diverse and intact and is very important to protect and steward. Prairie fens support unique plant and animal species and are a statewide priority in the Michigan Wildlife Action Plan.



Shrubby cinquefoil, mountain mint, bog birch, Kalm's lobelia, sage willow, grass-of-parnassus, marsh wild-timothy, common bog arrow-grass, round-leaved sundew, and purple false foxglove are just a few of the unique plants in this prairie fen.

TF20-0206 LLNP Expansion Northwest Wetland Natural Communities (2 of 3)



Big bluestem, typically a prairie grass, growing in the fen along the edge of Clam Lake.



Prairie fen along the West Branch of Stony Creek, as it winds lazily toward Clam Lake.



A beaver lodge along the West Branch of Stony Creek.

TF20-0206 LLNP Expansion Northwest Wetland Natural Communities (3 of 3)



Southern wet meadow, with joe pye weed, boneset, and mountain mint



Southern shrub-carr with willows, poison sumac, and silky dogwood as dominant shrubs. The diverse herbaceous layer includes many grasses, sedges, rushes, and native wetland wildflowers.

TF20-0206 LLNP Expansion Southeast Stony Creek Corridor Natural Communities (1 of 3)

The southeast Stony Creek Corridor includes the wetlands along the West Branch of Stony Creek downstream of Clam Lake until it flows into Tamarack Lake. The wetlands include submergent marsh, southern shrub-carr, and rich tamarack swamp. These wetlands play an important role filtering and cleaning the water, storing floodwater, and providing wildlife habitat.



Shrub wetland along the West Branch of Stony Creek.



The West Branch of Stony Creek provides important habitat for wildlife and fish.

TF20-0206 LLNP Expansion Southeast Stony Creek Corridor Natural Communities (2 of 3)



The West Branch of Stony Creek near where it empties into Tamarack Lake.



Rich tamarack swamp along the West Branch of Stony Creek.

TF20-0206 LLNP Expansion Southeast Stony Creek Corridor Natural Communities (3 of 3)



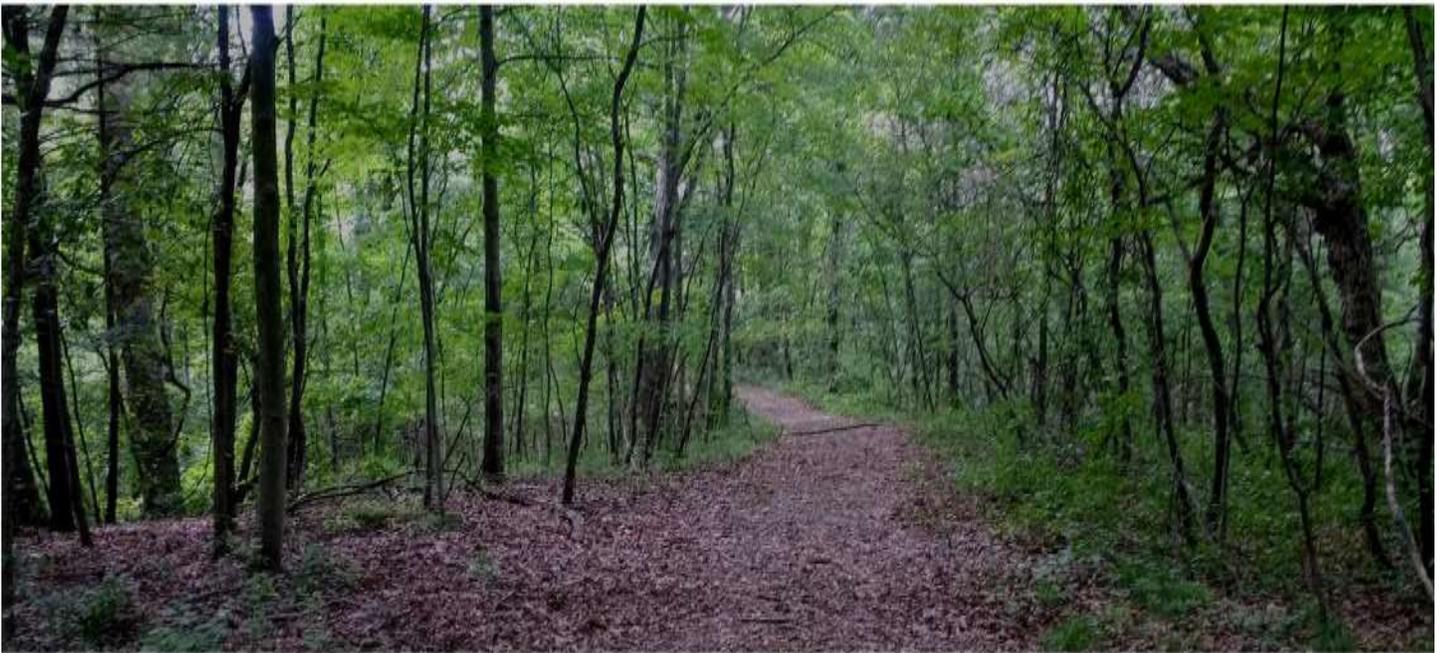
Fringed loosestrife in the shrub wetlands along Stony Creek.



Monkey-flower in the wetlands along the West Branch of Stony Creek.

TF20-0206 LLNP Expansion Southeast Woodland Natural Communities (1 of 2)

The woodlands in the southeast corner of the property have a mature oak canopy, diverse topography, vernal pools, and wooded wetlands. Existing trails wind through the scenic woodlands.



TF20-0206 LLNP Expansion Southeast Woodland Natural Communities (2 of 2)



A vernal pool in the southeast woodland.



Wooded wetlands pocket in the southeast woodland, each with a slightly different character.

TF20-0206 LLNP Expansion Old Field Natural Community

The fields throughout the property, and the adjacent hedgerows, support remnant native vegetation. In several areas it appears that oaks were planted a few decades ago, beginning the process of oak savanna restoration.



Butterfly milkweed is scattered throughout the fields.



Wild lupine (L). Early goldenrod, showy goldenrod, gray goldenrod, bee balm flowering in one of the fields (R).

TF20-0206 LLNP Expansion Photos Taken on 8-3-20 Site Visit (1 of 3)



Looking North Across Clam Lake at Fen Wetland Complex



Bridge over Clam Lake Outlet

TF20-0206 LLNP Expansion Photos Taken on 8-3-20 Site Visit (2 of 3)



Mowed trails in southern field areas (above) and trails in southeastern forested area (below).



TF20-0206 LLNP Expansion Photos Taken on 8-3-20 Site Visit (3 of 3)



Future Visitor Center (above) and Storage Facility (below) at 1401 Lake George Road.

