

Hickory Hills Park and Casey's Paha

Plan Prepared By

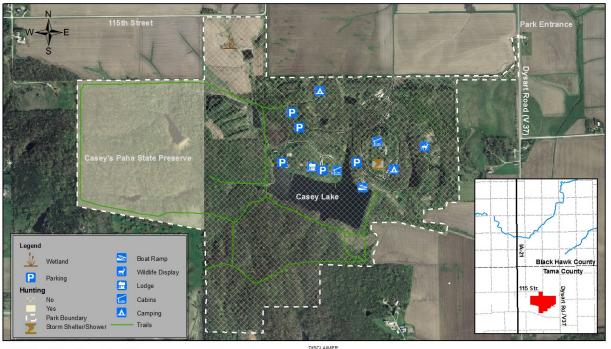
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Park

Hickory Hills Managed by Black Hawk County Conservation Board 1346 Airline Highway Waterloo, IA 50703 (319) 433-PARK (7275) www.blackhawkcountyparks.com

Hickory Hills Park is 723 acres of upland forest, prairie and wetlands. It offers camping, picnicking, sand volleyball, disc golf, hiking, fishing and hunting. A unique live wildlife display includes bison, elk, turkeys, and other small birds. This area includes the unusual geologic feature, Casey's Paha, dedicated as a State Preserve in 1989. Casey Lake provides excellent fishing for bluegill, largemouth bass, crappie, and catfish.



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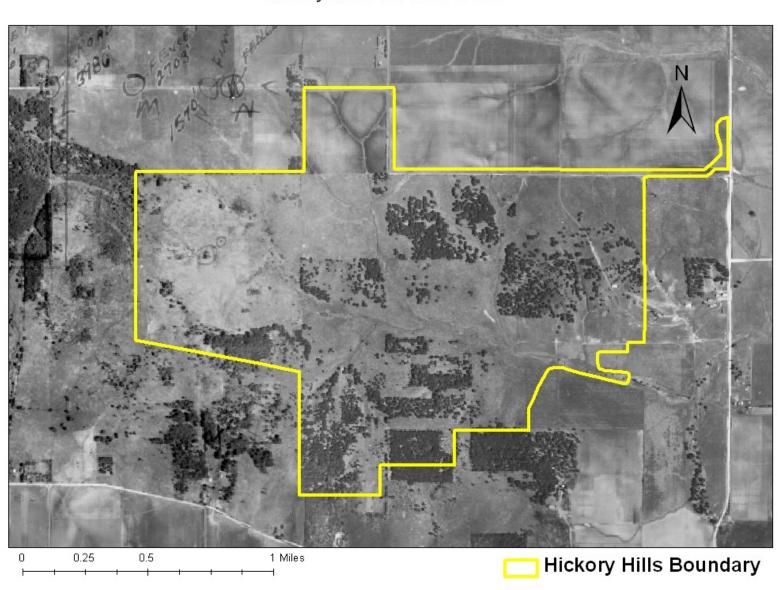
Property Description

- 723 total acres
- 365 acres in Forest Plan
- · Includes Casey's Paha State Preserve (1989)
- · Upland forests, prairies, wooded ravines, siltation ponds, and Casey Lake.
- Recreation includes:
 - camping
 - hiking
 - hunting
 - mushrooming
 - wildlife viewing
 - fishing
 - archery course
 - disc golf

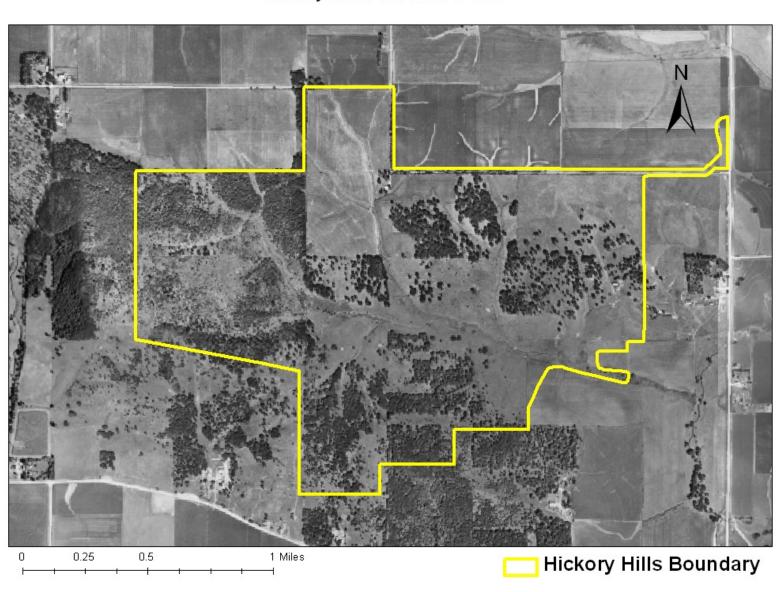


Hickory Hills Park Historic 1800's Vegetative Survey **Historical Vegetation** Forest and Savanna surrounded by tallgrass prairie. Soil type/moisture, topography, and natural disturbances made Forest Prairie this an unique area. 1990 Tree Coring (aging) Hickory Hills Boundary > 19 White and Bur Oaks White and Bur oaks 130-160 yrs old now. White Oak - 236 yrs old Indicates more open canopy in the past due to cutting/clearing, grazing, and natural disturbances. **1876 Atlas**

Hickory Hills Park circa 1930's

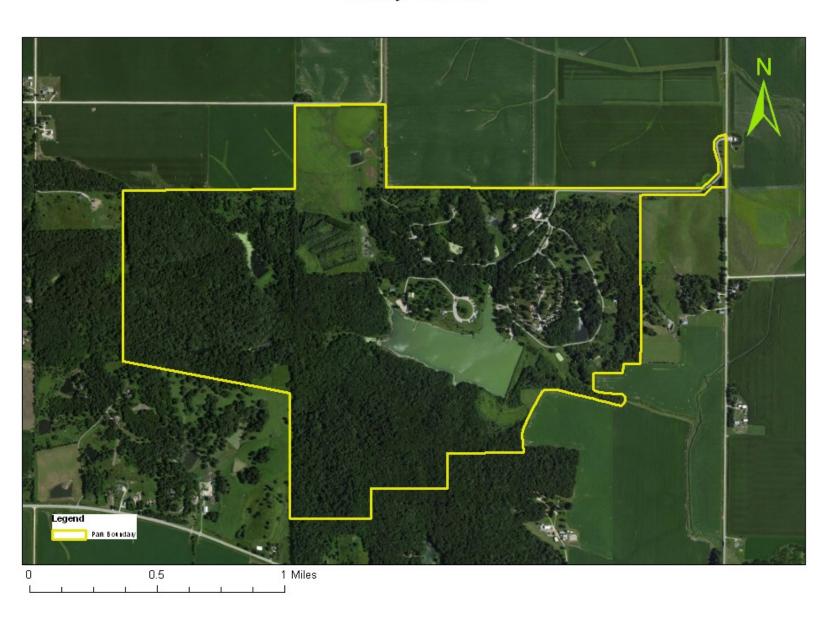


Hickory Hills Park circa 1950's

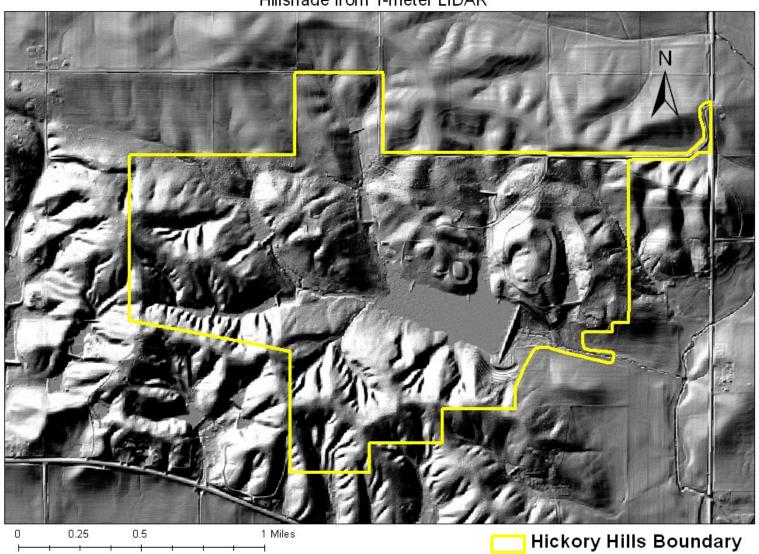


Hickory Hills Park circa 1990's 0.25 0.5 1 Miles **Hickory Hills Boundary**

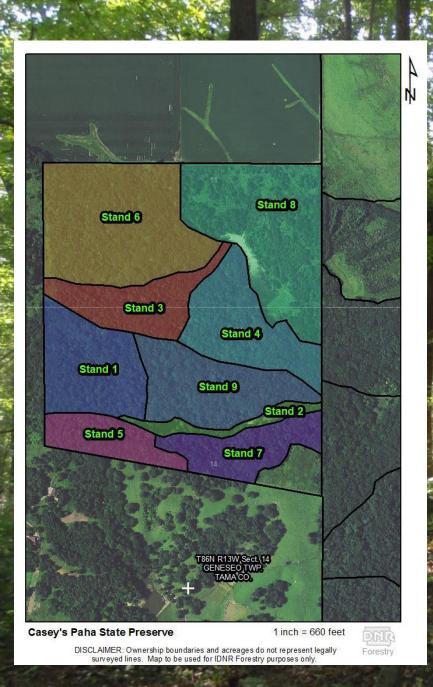
Hickory Hills Park



Hickory Hills Park Hillshade from 1-meter LiDAR







Stand 7 Stand 5 Stand 2 Stand 6 T86N R13W Sect. 13 GENESEO TWP. TAMA CO. Stand 3 Stand 2 Stand 1 Stand 8 Stand 4

Hickory Hills Stands

1 inch = 990 feet

Forestry

DISCLAIMER: Ownership boundaries and acreages do not represent legally surveyed lines. Map to be used for IDNR Forestry purposes only.

Hickory Hills Stands - Priorities

Stand 1 – Walnut overstory removal and crown release thinning (22 acres)

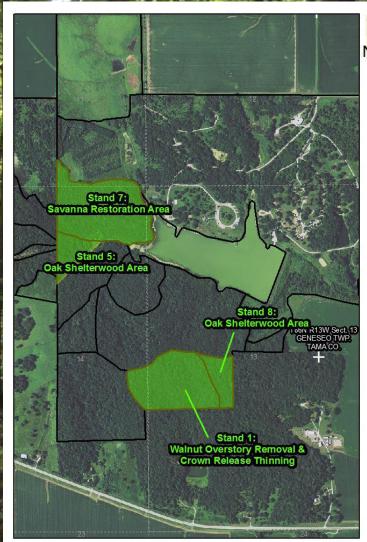
- clear cut in 1980's leaving mature walnuts to re-seed new stand.
- understory of basswood, walnut, hackberry, hickory, and red oak.

Recommendation: Harvest or leave mature walnuts and crown release of oak, hickory, and walnut. Late stage of shelterwood project.

Stand 5 and 8 – Oak shelterwood (27 acres)

- Overstory of mature oaks with understory of elm, hackberry, basswood, and bitternut hickory.
- Oak and walnut lacking in regeneration.

Recommendation: Thin understory leaving mature oaks and walnuts to reseed site (10-15 yrs.) and sell thinned out mature trees.



Hickory Hills Priorities

1 inch = 990 feet

PAR Forestry

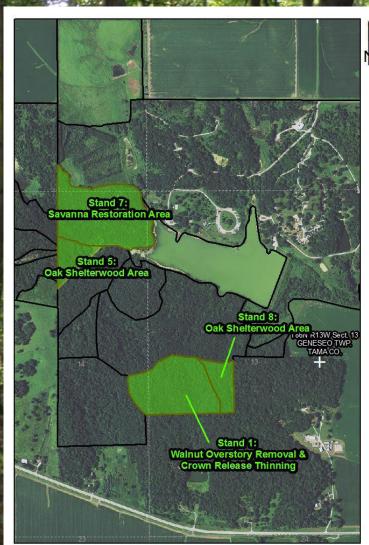
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Hickory Hills Stands - Priorities

Stand 7 – Savanna Restoration (29 acres)

- scattered large bur oaks (20-30")
- understory of walnut, locust, elm, hackberry, and few hickory.
- dense honeysuckle
- · contains archery course

Recommendation: Heavy thinning of non-oak trees and brush working in 3-5 acre increments. Introduce prescribed fire under bur oaks.



Hickory Hills Priorities

1 inch = 990 feet

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Stand 8 Stand 3 Stand 4 Stand 1 Stand 9 Stand 5

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Casey's Paha State Preserve

Casey's Paha Stands

Stands 1-6 & 9

- overstory of red oak, hickory, bur oak, and basswood
- understory of hackberry, basswood, ironwood, elm, bitternut.
- Heading towards climax forest with very little oak regeneration.
- Garlic mustard and honeysuckle

Recommendation: Crown release of mast producers (hickory, oak, walnut) 6-14" range. Weed tree removal/thinning along with invasive species control. Prescribed burns under oaks where possible.

Stand 3 Stand 4 Stand 1 Stand 9 Stand 5

1 inch = 660 fee

Forestry

DISCLAIMER: Ownership boundaries and acreages do not represent legally surveyed lines. Map to be used for IDNR Forestry purposes only.

Casey's Paha Stands

Stand 7 - White oak savanna

- large, scattered mature white oaks on the south edge of the stand.
- understory of hackberry, elm, basswood with many garlic mustard patches.

Recommendation: Garlic mustard control using chemical, fire, and pulling.

Prescribed fire under the oaks

Stand 8 - Old clearing

- bulldozed in the 1990's,
- filling in with autumn olive & honeysuckle along with cedar, walnut, ash, elm with a few oak/hickory.

Recommendation: Control invasive species and release oak/hickory.

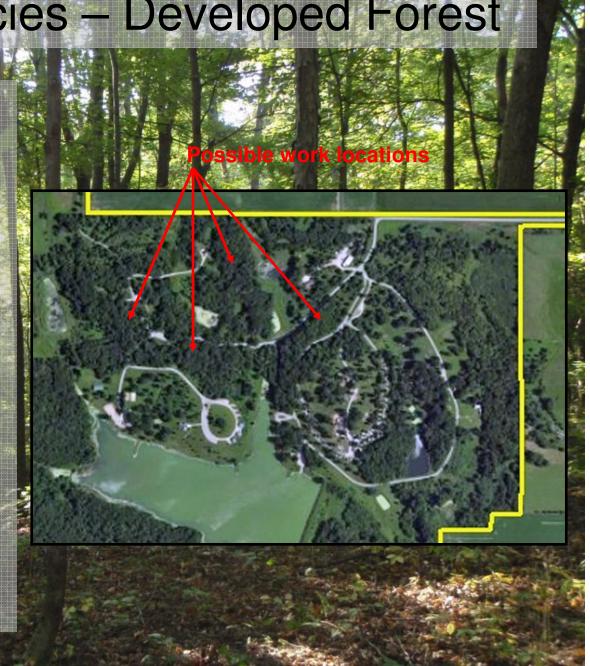
Invasive Species - Developed Forest

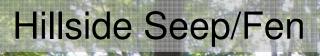
Includes:

- > Honeysuckle
- > Autumn olive
- Garlic mustard

Restoration methods:

- ✓ Mechanical removal with Terex and chainsaws.
- ✓ Chemical treatment
- Re-seed with native species.
- ✓ Maintain disturbances such as fire and goats.





- Approx. 2.4 acres
- Along trail leading to public hunting area
- Management plan (2012)





Potential Acquisition to Hickory Hills

