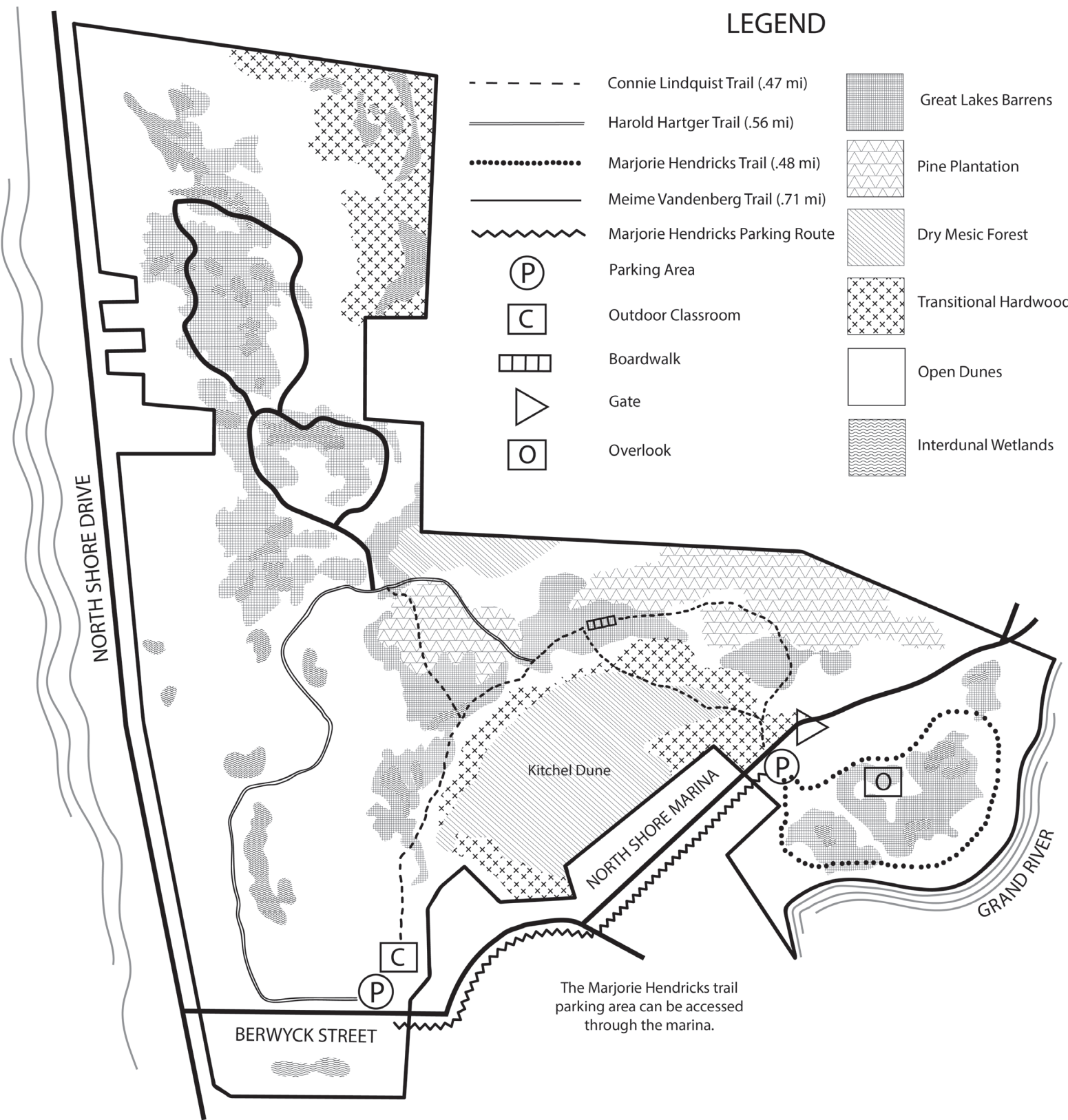


TRAIL MAP



LEGEND

- Connie Lindquist Trail (.47 mi)
- Harold Hartger Trail (.56 mi)
- Marjorie Hendricks Trail (.48 mi)
- — — — — Meime Vandenberg Trail (.71 mi)
- ~~~~~ Marjorie Hendricks Parking Route
- (P) Parking Area
- (C) Outdoor Classroom
- ▬ Boardwalk
- ▴ Gate
- (O) Overlook
- [Cross-hatch] Great Lakes Barrens
- [Triangle-hatch] Pine Plantation
- [Diagonal-hatch] Dry Mesic Forest
- [Square-hatch] Transitional Hardwood
- [White] Open Dunes
- [Wavy-hatch] Interdunal Wetlands

THREATS TO THE SAND DUNES

- The sand dunes at Kitchel- Lindquist-Hartger Dunes Preserve (KLH) are threatened by both naturally occurring and human caused erosion.
- Sand dunes are fragile structures stabilized by vegetation; when plants are disturbed, sand is exposed to wind and water erosion.
- In recent decades, human activities such as land development, tourism, sand mining, and driving off-road vehicles have destroyed sand-anchoring vegetation.
- Invasive species are another threat to the health of our dunes ecosystem, which can outcompete native species crucial to dune stabilization.
- KLH is a piece of the unique and irreplaceable freshwater dunes ecosystem along the Lake Michigan shoreline that needs to be protected.
- Staying on designated trails when hiking, participating in invasive species pulls, and being respectful to the environment are all ways you as an individual can help preserve KLH!



With gratitude to:
 John and Mary S. Kitchel
 Gerald and Connie Lindquist
 Harold Hartger
 Marjorie Hendricks

KITCHEL-LINDQUIST-HARTGER DUNES PRESERVE TRAIL GUIDE AND INFORMATION



Kitchel-Lindquist-Hartger Dunes Preserve is owned by:
 City of Ferrysburg
 17290 Roosevelt Road, P.O. Box 38
 Ferrysburg, MI 49409-0038
 616-842-5803 // www.ferrysburg.org

INVASIVE SPECIES

DALMATIAN TOADFLAX
Linaria dalmatica



SPOTTED KNAPWEED
Centaurea stoebe

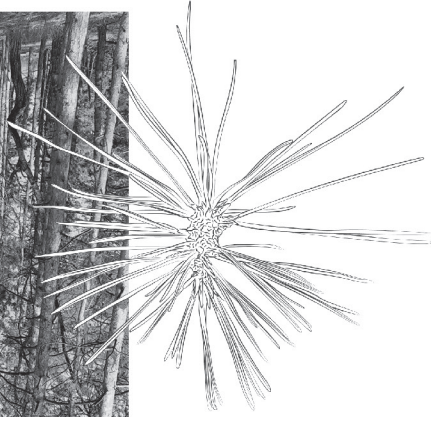


JAPANESE BARBERRY
Berberis thunbergii



NATURAL PLANT COMMUNITIES AND ASSOCIATED FLORA

PINE PLANTATION



Red Pine
Pinus resinosa

GREAT LAKES BARENS



Jack Pine
Pinus banksiana

TRANSITIONAL HARDWOOD



Red Oak
Quercus rubra

DRY MESIC FOREST



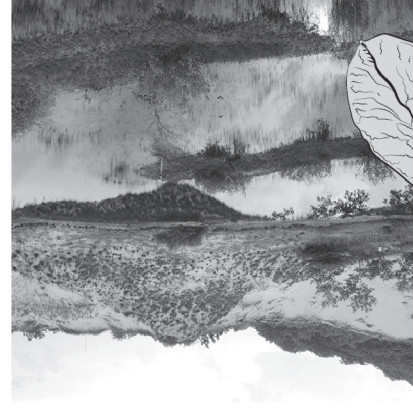
Common Sassafras
Sassafras albidum

OPEN DUNES



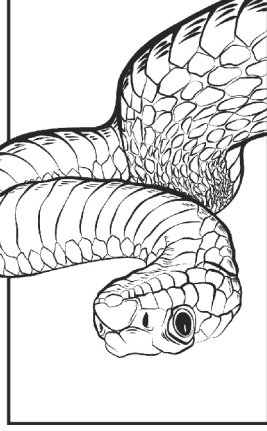
Hairy Puccoon
Lithospermum carolinense

INTERDUNAL WETLANDS



Kalm's Lobelia
Lobelia kalmii

COMMON ANIMALS



GARTER SNAKE
Thamnophis sirtalis



VICEROY BUTTERFLY
Limenitis archippus



WHITE TAILED DEER
Odocoileus virginianus



AMERICAN ROBIN
Turdus migratorius