## BIOLOGICAL STATION Pellston, Michigan, USA

## **Field Guide**

Aquatic Life and Shoreline Species in and along Douglas Lake

## **Upland Plants**



1. Pinus strobus, \*zhingwaak White pine: Coniferous tree to 100+ ft. 5 needles per cluster. Various habitats.



2. Asclepias syriaca, \*ini'niwunj Common milkweed: Flowers dull pink. Leaves opposite, elliptic to ovate with hairs on undersides. Milky sap.



3. Pinus resinosa, \*bapakwanagemag Red pine: Coniferous tree to 100+ ft. 2 needles per cluster, up to 4in. long. Various habitats, esp. sandy sites. Widely planted for timber.



4. Vitis riparia, \*zhoomin, zhoominagaawanzh River-bank grape: Woody vine often ascending to tree canopy. Small flowers. Simple, usu. 3lobed, toothed leaves. Edible fruits. Various habitats.



5. Acer rubrum, \*zhiishiigimewanzh Red maple: Flowering tree to 100+ ft. tall. Simple, toothed (doubly serrate) leaves with 3-5 lobes, turning bright red in fall. Samara fruits. Various habitats.



6. Quercus rubra, \*wiisagi-mitigomizh Red oak: Currently the only oak recorded near the shore of Douglas Lake. Tree to 160+ ft. Bristle-tipped leaves. Acorn fruits.



7. Tilia americana, \*wiigob Basswood: Flowering tree to 100+ ft. tall. Often multi-stemmed as new shoots sprout from the root collar. Simple, toothed, assymetrical, heart-shaped leaves. Pea-like fruits attached to a bract. Mesic habitats, shorelines.



8. Verbascum thapsus Common mullein: Yellow flowers in terminal spike inflorescence. Leaves densely covered with soft gray hairs. Common on distrubed sites, including shores.



9. Pteridium aquilinum Bracken fern: A cosmopolitan, colony-forming fern and the most common fern in the Douglas Lake region. Up to 4 ft. tall. Horizontal, trianglular blades divided into three parts. sap. Various habitats. Fiddleheads carcinogenic.



10. Apocynum cannabinum, \*zesabiins

Indian-hemp: A cousin of the milkweeds. White flowers in a terminal cyme inflorescence. Leaves opposite, elliptic. Milky



11. Daucus carota, \*okaadaak **Queen-Anne's-lace**: A familiar plant of disturbed sites. Finely dissected, pinnately compound leaves. Inflorescence a dense umbel of tiny white flowers, usu. with a central, purple flower.



12. Desmodium canadense Showy tick-trefoil: Low vine. Pinnately compound leaves. Brown-purple flowers. Edible tubers.



13. Tsuga canadensis, \*qaaqaaqimizh Hemlock: Coniferous tree to 100+ ft. Short needles with some arranged upside-down along the top of the shoot. Cones less than 1 in. long.



18. Coreopsis lanceolata Sand coreopsis: An attractive yellow-flowered perennial with spatulate to linear basal leaves. Common on shores and roadsides.



14. Betula papyrifera, \*wiigwaasaatig Paper birch: Flowering tree to 70 ft. Simple, alternate leaves, often in groups of three. Male and female flowers born separately in catkins (monoecious)



19. Vaccinium angustifolium, \*miinagaawanzh Low sweet blueberry: Low shrub. Small, white, bellshaped flowers. Simple, finely toothed leaves. Leaves and stems without hairs. Familiar edible fruits. Mostly in dry sites. \*Anishinaabemowin translations provided by the Little Traverse Bay Band's Gijiqowi Anishinaabemowin Lanquage Department



15. Prunella vulgaris, \*baasibaqak Self-heal: Low perennial forb. Dense, terminal inforescence with two-lipped blue-violet flowers. Leaves opposite, lanceolate to elliptic. Square stem.



20. Gaylussacia baccata, \*minnan Huckleberry: Low to medium shrub. Small, red to yellow, bell-shaped flowers. Simple leaves with orange resinous dots (especially beneath). Edible fruits ripen later than blueberries; contain 10 hard nutlets, hence the other common name "crackleberry." Mostly acidic sites.



16. Silene vulgaris Bladder campion: A common plant of disturbed places. The calyx (beneath the white flower) is inflated appearing like a bladder, and has no hairs.



17. Melilotus albus White sweet-clover: A common plant of roadsides and other disturbed places including shores. Widely planted as forage. Compound leaves with three leaflets. Small, white flowers.