

Hydrilla verticillata

HYDRILLA

Hydrocharitaceae

Common Synonyms: *none*

FLEPPC Category: 1

FDACS Listed Noxious Weed: No

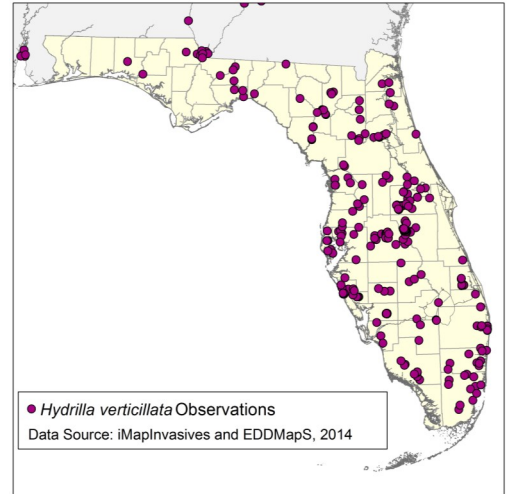
IFAS Assessment

| | |
|---------|------------|
| North | PROHIBITED |
| Central | PROHIBITED |
| South | PROHIBITED |

USDA Hardiness Zone: 5a-11

Growth Habit: Aquatic perennial herb

Origin: Warmer regions of the Old World



Robert Vidéki, Doronicum Kft., Bugwood.org

Description: Aquatic, submersed, perennial herb with slender stems to 9 m long, many branched. Stems from rhizomes. Whorled leaves, 3-8 per whorl, with toothed margins, and 1-4 conical bumps on the underside of the midrib. Fleshy buds form in the leaf axils called turions, each with 3 sepals and petals, whitish and floating.

Note: Similar to *Egeria densa*, also a non-native invasive, which has whorls of 3-6 leaves and no conical bump on midrib.

Habitat: lakes, rivers

Florida Introduction Date: 1960

Control Methods:

Mechanical: Physical removal by raking or seining, but it will reestablish from any remaining fragments (Texas A&M).

Chemical: Several chemicals have been successfully used to treat Hydrilla: diquat, endothall, fluridone, imazamox, penox-sulam, bispyribac, and flumioxazin (Texas A&M, IFAS).

Note: Timing and herbicide concentration are important to consider in terms of efficacy and non-target damage to native species (IFAS).

Useful Resources:

Dave's Garden. 2014. PlantFiles: Hydrilla, *Hydrilla verticillata*. <http://davesgarden.com/guides/pf/go/32040/>. Accessed on June 20, 2014.

IFAS, Center for Aquatic & Invasive Plants. 2014. Plant Management in Florida Waters: An Integrated Approach. <http://plants.ifas.ufl.edu/manage/control-methods/chemical-control/selective-application-of-aquatic-herbicides>. Accessed on June 25, 2014.

Langeland, K.A., H.M. Cherry, C.M. McCormick, K.C. Burks. 2008. Identification and Biology of Non-Native Plants in Florida's Natural Areas-Second Edition. IFAS Publication SP 257. University of Florida, Gainesville, Florida.

Texas A&M, AgriLife Extension. 2014. AQUAPLANT, A pond manager diagnostic tool: Hydrilla. <http://aquaplant.tamu.edu/management-options/hydrilla/>. Accessed on June 25, 2014

Wunderlin, R. P., and B. F. Hansen. 2008. Atlas of Florida Vascular Plants (<http://florida.plantatlas.usf.edu/>). [S. M. Landry and K. N. Campbell (application development), Florida Center for Community Design and Research.] Institute for Systematic Botany,