

An aerial photograph of the Hudson River showing a large, irregularly shaped area of bright green water chestnut (Najas) blooms. The blooms cover a significant portion of the river's width and extend towards the shore. A small, circular island of trees is visible in the center of the river, surrounded by the green blooms. The surrounding land is densely forested with green trees. The sky is clear and blue.

Water Chestnut in the Hudson River

Photo by Kara Goodwin

Water Chestnut, *Trapa natans*

- Native to Eurasia
- Deliberately introduced by botanists
- Collins Lake, Schenectady 1884
 - 1920s Mohawk River
 - Hudson River 1930s
- Grows in quiet waters



Photo: C. Harris, Cary IES

Water Chestnut, *Trapa natans*

- Floating leaves with air bladders
- Found on water surface
- Dense beds block sunlight
- Spiny nut





Inbocht Bay, south of Catskill on the Hudson River

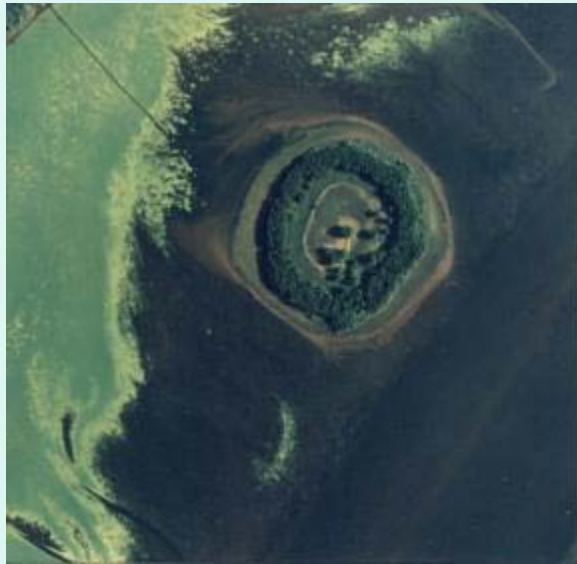


Photos courtesy of H. Malcom, Cary IES



Inbocht Bay

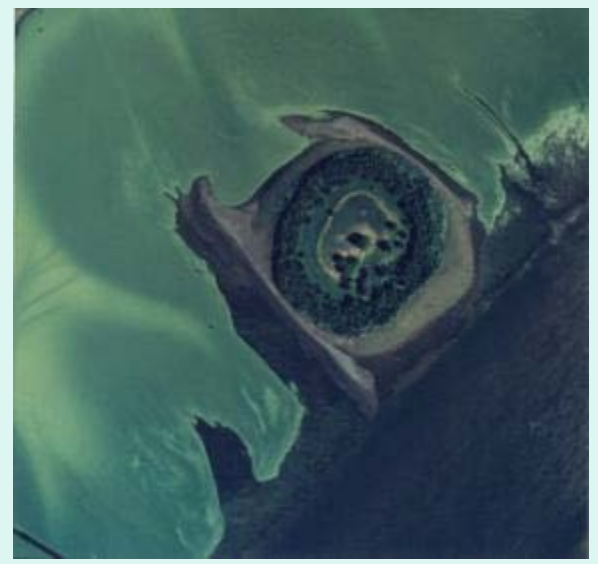
1995

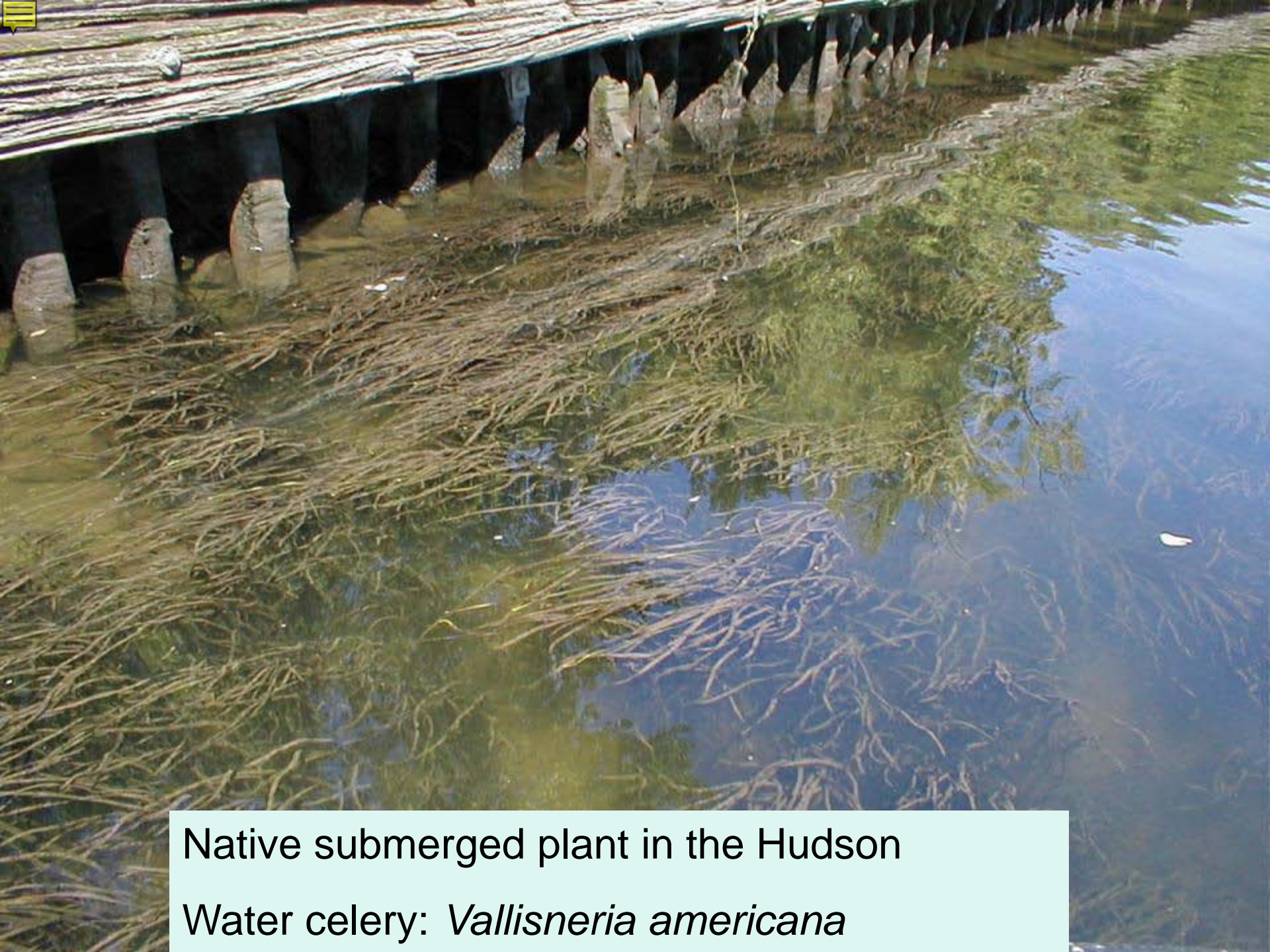


1997



2002

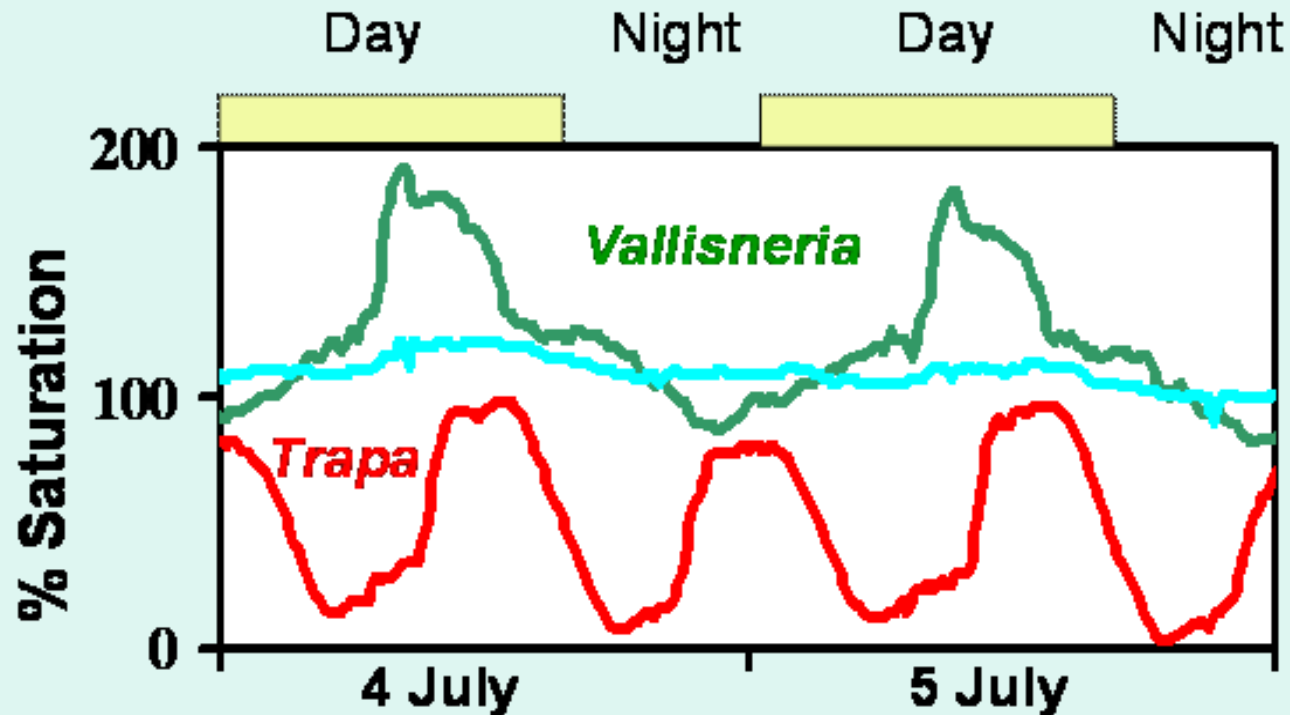




Native submerged plant in the Hudson

Water celery: *Vallisneria americana*

Why does the dissolved oxygen change so much?



Day Starting at Sunrise