

Native wetland and aquatic plants

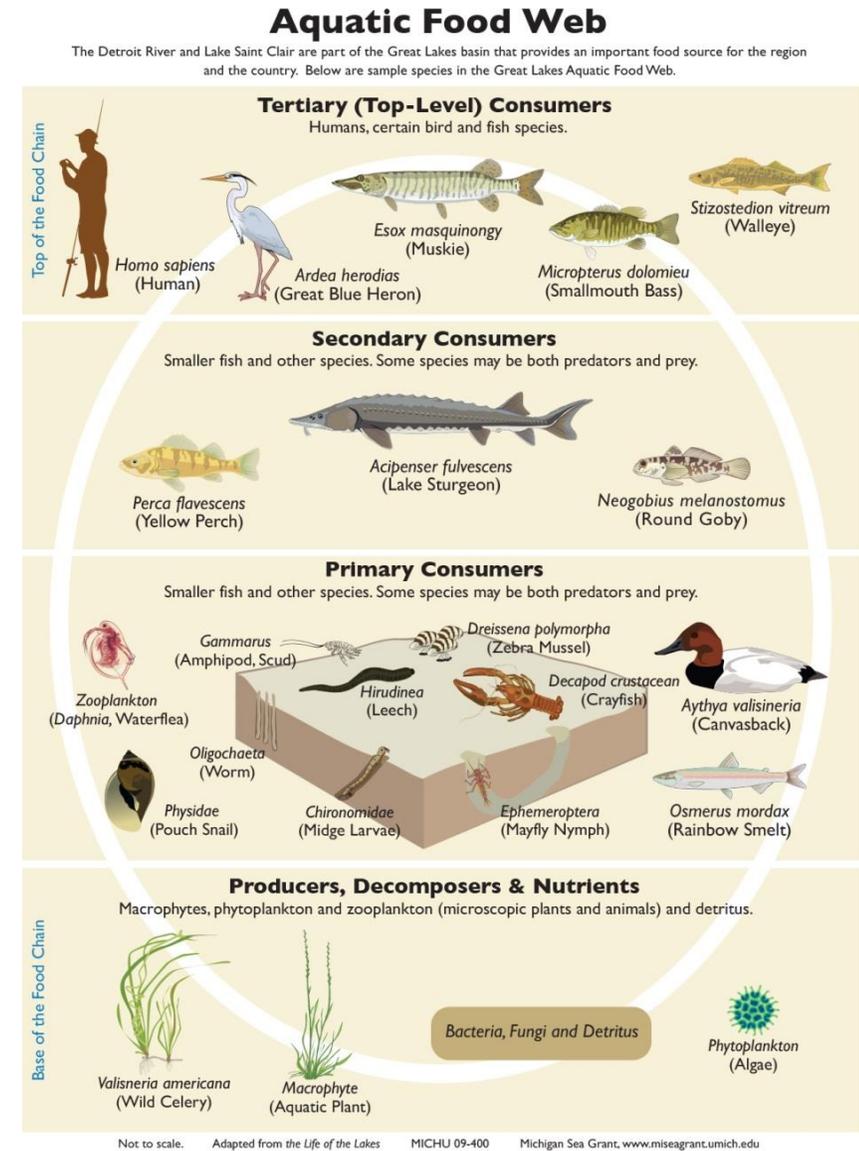
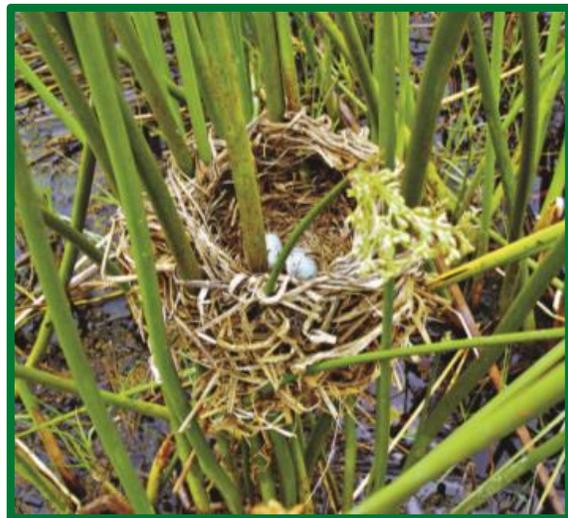


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UF | Aquatic and Wetland
Plant Science
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Why do we need aquatic plants?

- Habitat
- Moderate flow
- Stabilization
- Phytoremediation
- Aesthetics



Aquatic plant growth habits

Submersed

Floating

Emergent

Floating-leaved



Obanail
Ceratophyllum demersum
Photo by V. Bailey
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Knotweed
Polygonum spp.
Photo by A. Murray
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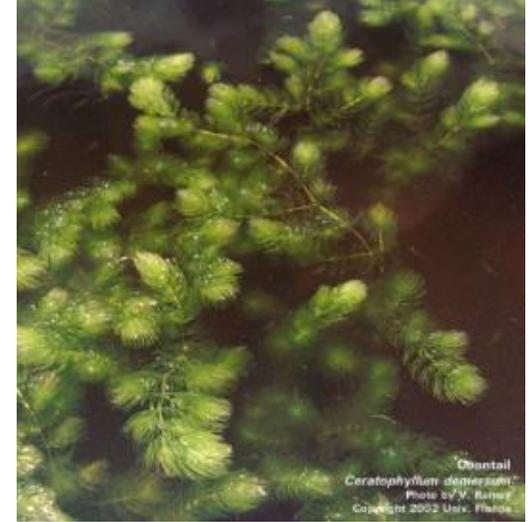
Aquatic plant growth habits

Submersed

Floating

Emergent

Floating-leaved



Bald cypress

Taxodium distichum (Cupressaceae)

Gymnosperm

Plant height to 100'

Leaves simple, 0.5"

Linear, flat, pointed apex

Alternate – branchlets

Knees

Scaly cones

Seeds



Bald cypress



Red maple

Acer rubrum (Aceraceae)

Plant height to 50'

Leaves simple, 4"

3 (5) lobed

Serrate margin

Alternate

Fall color

Seeds, cuttings



Red maple



Pond apple

Annona glabra (Annonaceae)

Plant height to 40'

Leaves simple, 8"

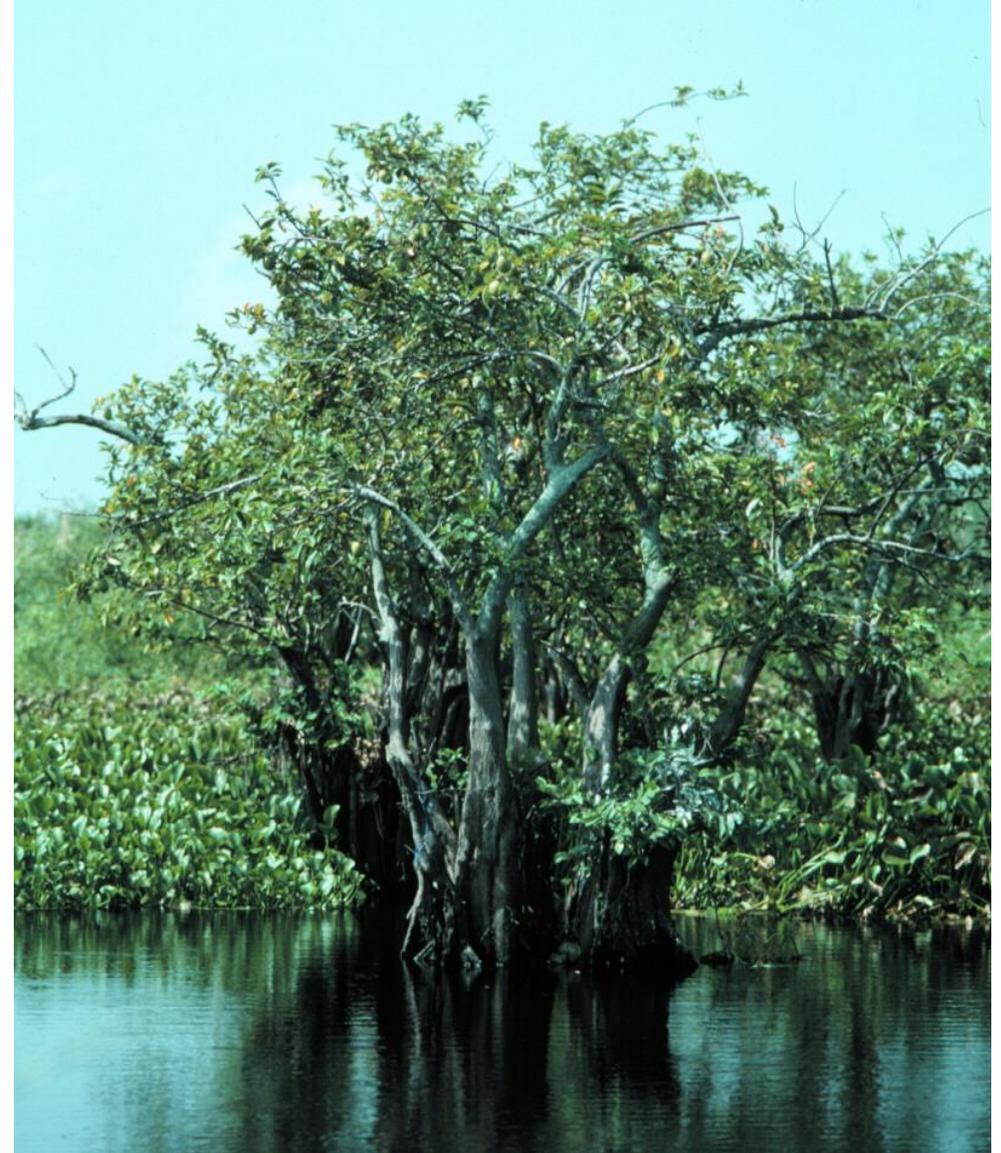
Ovate/oblong

Alternate

Creamy flowers

Green/yellow fruit

Seeds



Pond apple



Buttonbush

Cephalanthus occidentalis (Rubiaceae)

Plant height to 7'

Leaves simple, 3"

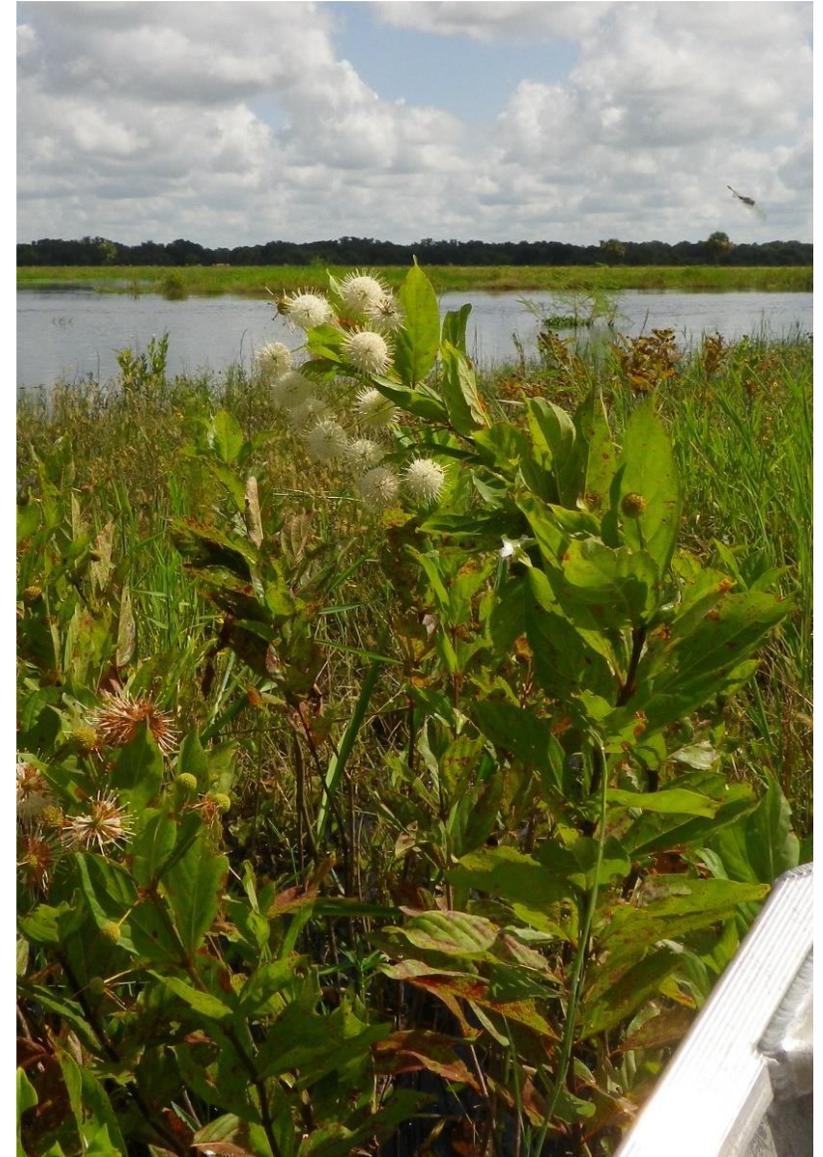
Lanceolate

Coarse

Verticillate/whorled

Ball inflorescence

Seeds, cuttings



Buttonbush



Scarlet rosemallow

Hibiscus coccineus (Malvaceae)

Plant height 6+'

Leaves simple, 6"

Juvenile – cleft

Mature – palmate

Alternate

Large red flowers

Seeds, cuttings



Scarlet rosemallow



Swamp marsh mallow

Hibiscus grandiflorus (Malvaceae)

Plant height 6+'

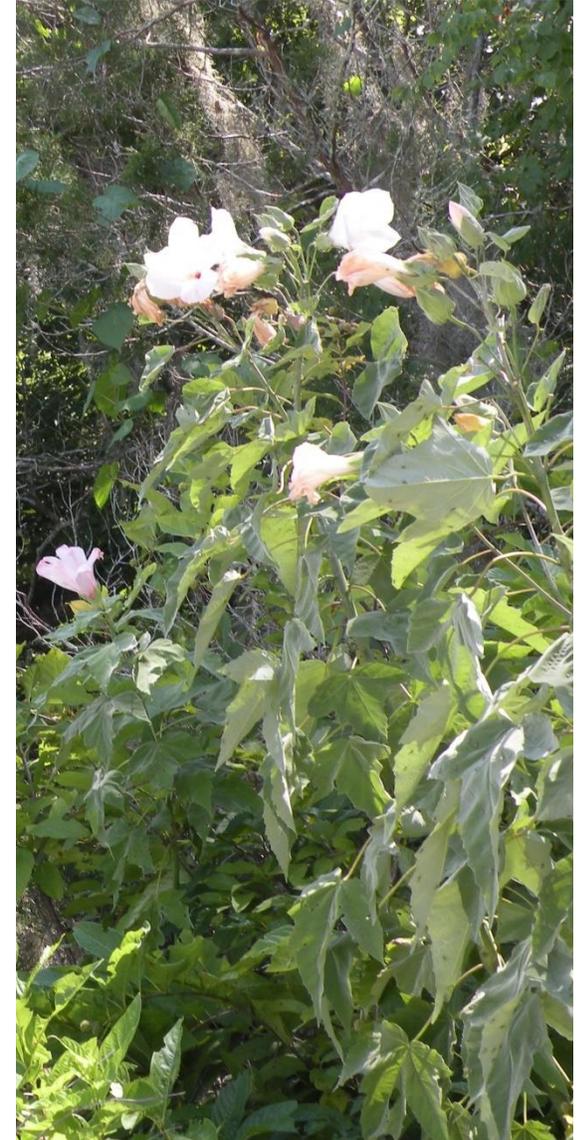
Leaves simple, 6"

Pubescent

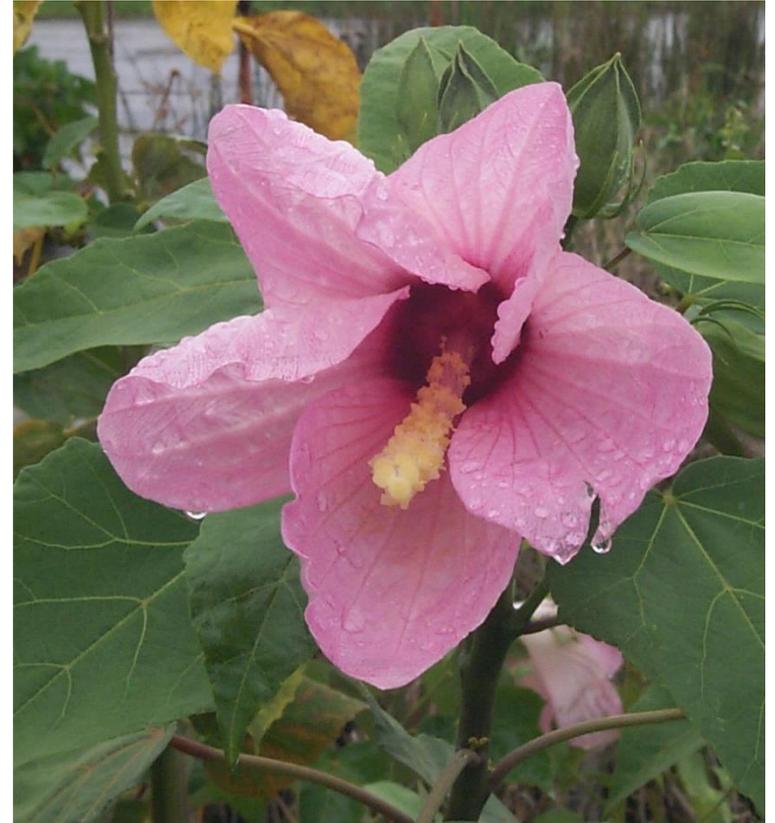
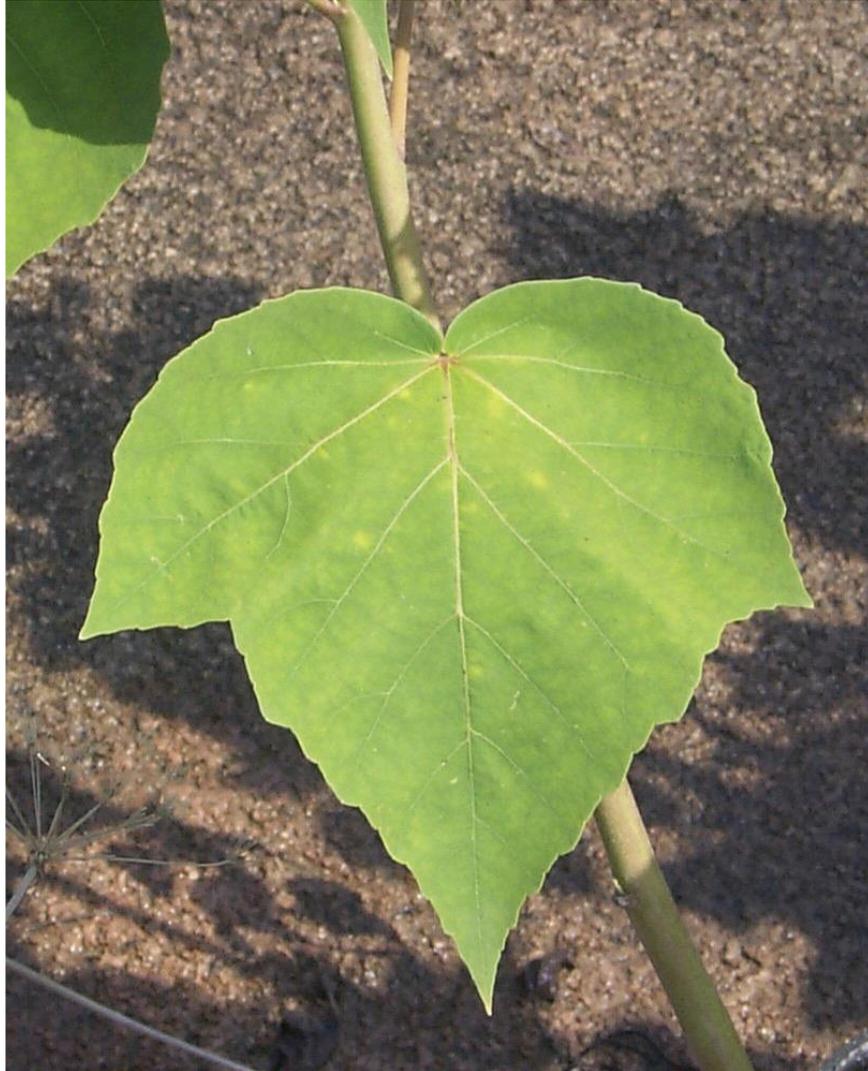
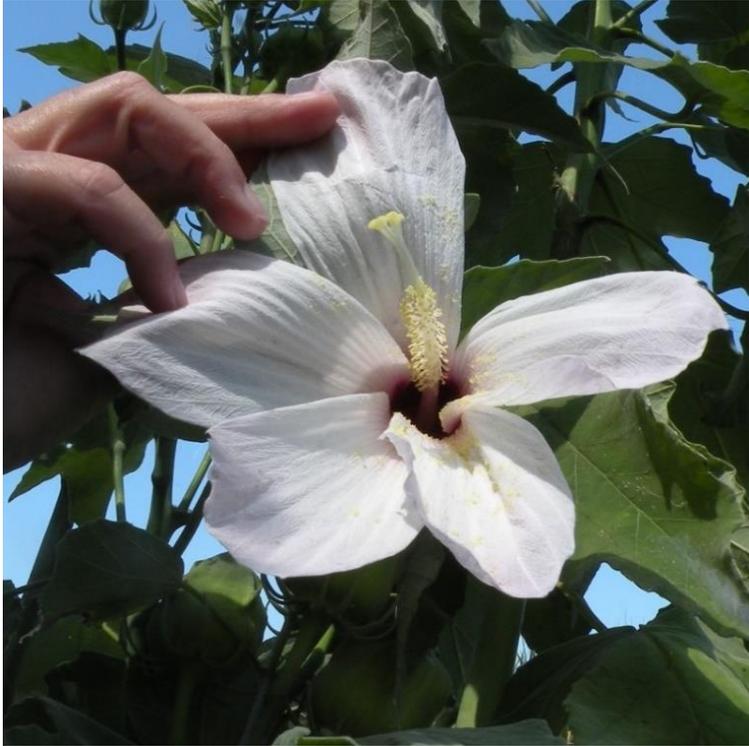
Alternate

Large pink to white flowers

Seeds, cuttings



Swamp marsh mallow



Virginia salt marsh mallow

Kosteletzkya pentacarpos (Malvaceae)

Plant height to 5+'

Leaves simple, 4"

Pubescent

Alternate

Smallish pink flowers

Seeds, cuttings



Virginia salt marsh mallow



Skyflower

Hydrolea corymbosa (Hydrophyllaceae)

Plant height to 3'

Leaves simple, 2.5"

Lanceolate

Sessile

Alternate

Bright blue flowers

Seeds, cuttings



Skyflower



Cardinalflower

Lobelia cardinalis (Campanulaceae)

Plant height to 4'

Leaves simple, 8"

Lanceolate/ovate

Toothed margin

Basal, alternate

Raceme of scarlet flowers

Seeds, division



Cardinalflower



Lizard's-tail

Saururus cernuus (Saururaceae)

Plant height to 2'

Leaves simple, 4"

Cordate to sagittate

Clasping

Alternate

Bottlebrush spike

Seeds, cuttings



Lizard's-tail



Pickerelweed

Pontederia cordata (Pontederiaceae)

Leaves simple, 8"

Cordate to lanceolate

Petiole to 4' long

Basal

Spike inflorescence

Peduncle to 4' long

Seeds, division



Pickerelweed



Blue-flag iris

Iris virginica (Iridaceae)

Plant height to 4'

Leaves simple, 3'

Lanceolate

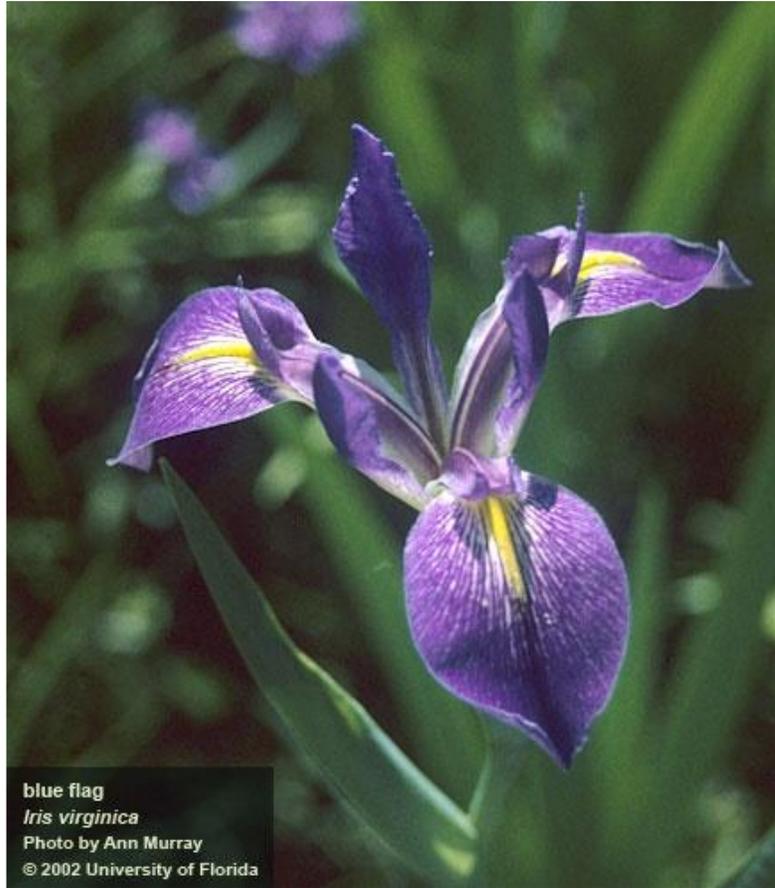
Basal "fan"

Showy flowers

Seeds, division, rhizomes



Blue-flag iris



blue flag
Iris virginica
Photo by Ann Murray
© 2002 University of Florida



blue flag
Iris virginica
Photo by Ann Murray
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Golden canna

Canna flaccida (Cannaceae)

Plant height to 9'

Leaves simple, 2'

Oblong, pointed apex

Pinnate venation

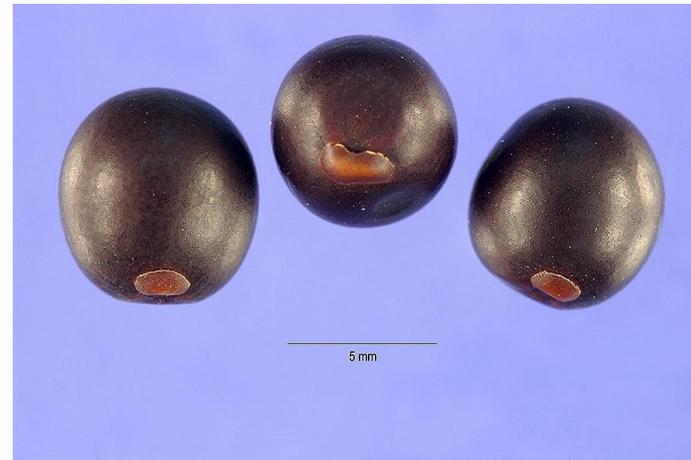
Spiral, overlapping

Cluster of yellow flowers

Seeds, division



Golden canna



String lily, swamp lily

Crinum americanum (Amaryllidaceae or Liliaceae)

Plant height to 4'

Leaves simple, 4'

Straplike, 3" wide

Basal (bulb)

Cluster of white flowers

Seeds, division



String lily, swamp lily



Spider lily

Hymenocallis sp. (Amaryllidaceae or Liliaceae)

Plant height to 4'

Leaves simple, 4'

Straplike, 3" wide

Basal (bulb)

Cluster of white flowers

Membrane

Seeds, division



Spider lily



Blue-eyed grass

Sisyrinchium angustifolium (Iridaceae)

Plant height to 6"

Leaves simple, 6"

Lanceolate

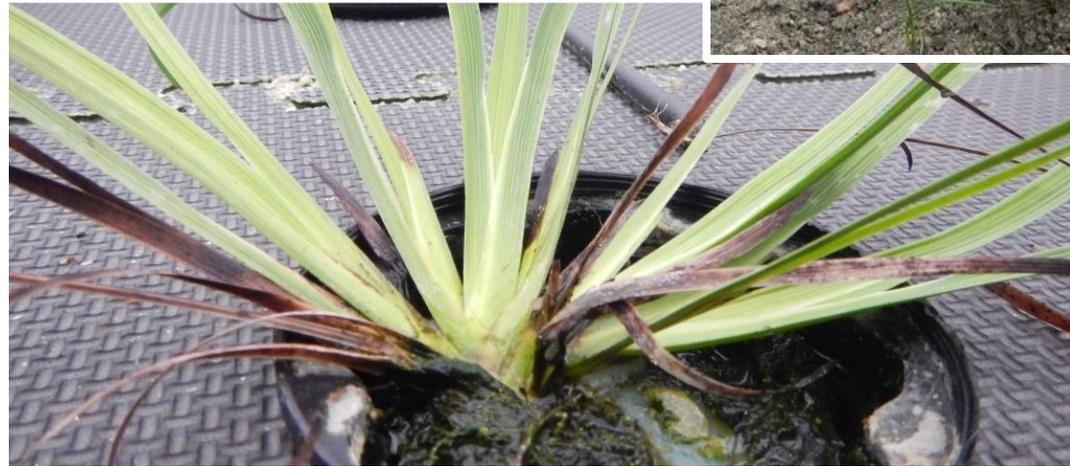
Basal "fan"

Showy flowers

Seeds, division, rhizomes



Blue-eyed grass



Fragrant white waterlily

Nymphaea odorata (Nymphaeaceae)

Leaves 8", nearly round

Cleft/wedged

Pointed basal lobes

Floating white flowers

Fragrant, many petals

Seeds, divisions



Fragrant white waterlily



Yellow waterlily

Nymphaea mexicana (Nymphaeaceae)

Leaves 8", nearly round

Small cleft

Pointed basal lobes

Purple/brown

Floating yellow flowers

Not fragrant, many petals

Seeds, divisions



Yellow waterlily



American lotus

Nelumbo lutea (Nelumbonaceae)

Leaves simple, 12"

Waxy/rubbery

Round, peltate

Floating, emergent

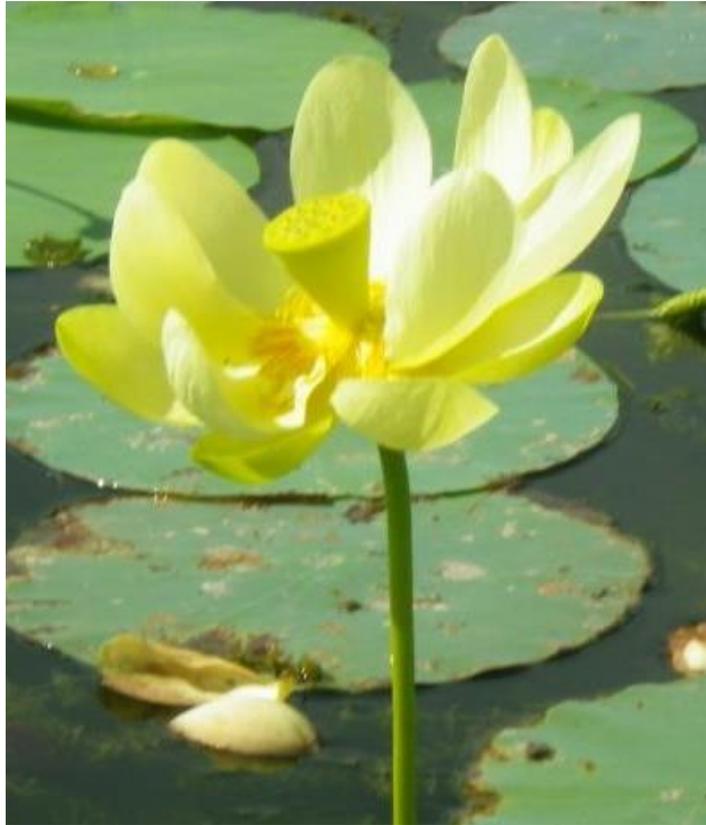
Corn-dog rhizome

BIG yellow flowers

Seeds, division



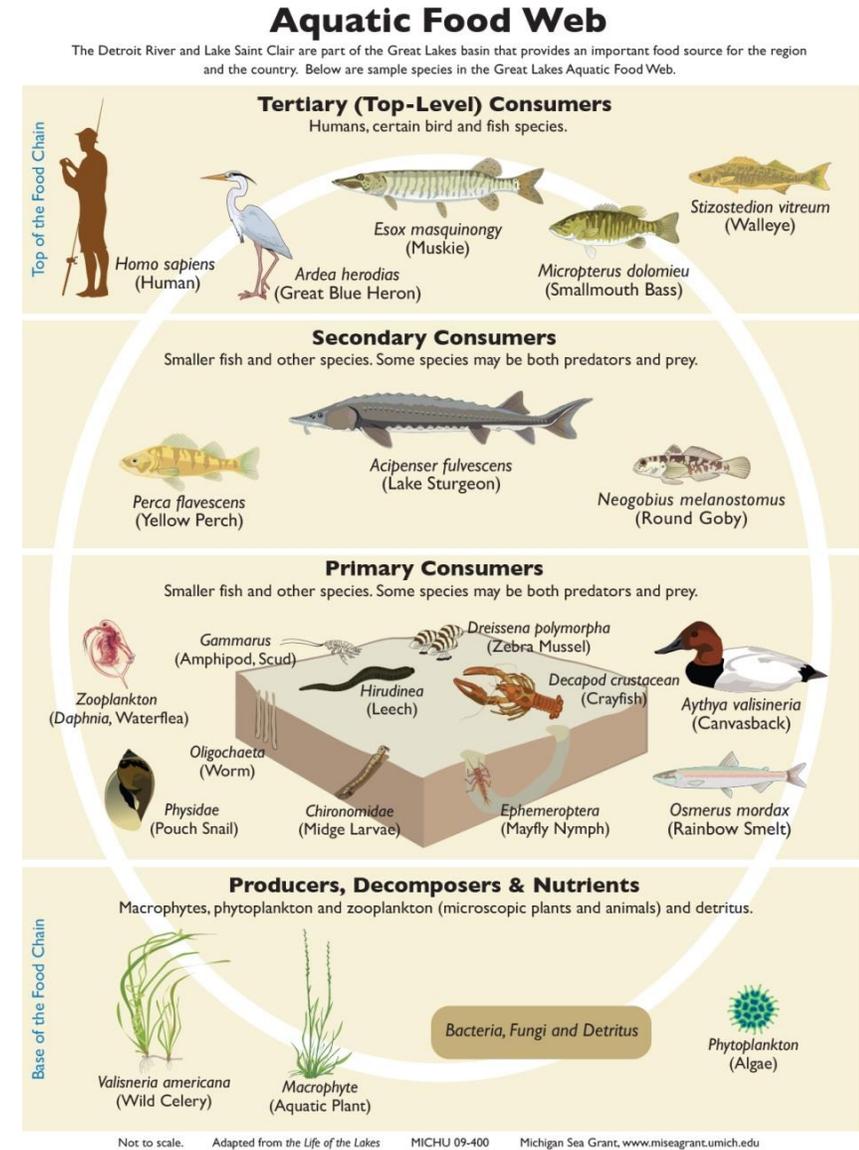
American lotus



The importance of aquatic plants



Benefits to nature
Benefits to us!



Thanks! Questions?



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