



Sail Buffalo- A Community Boating Center



How we grew from one boat to the Buffalo Sailing & Science Academy!

Eco Floating Classroom

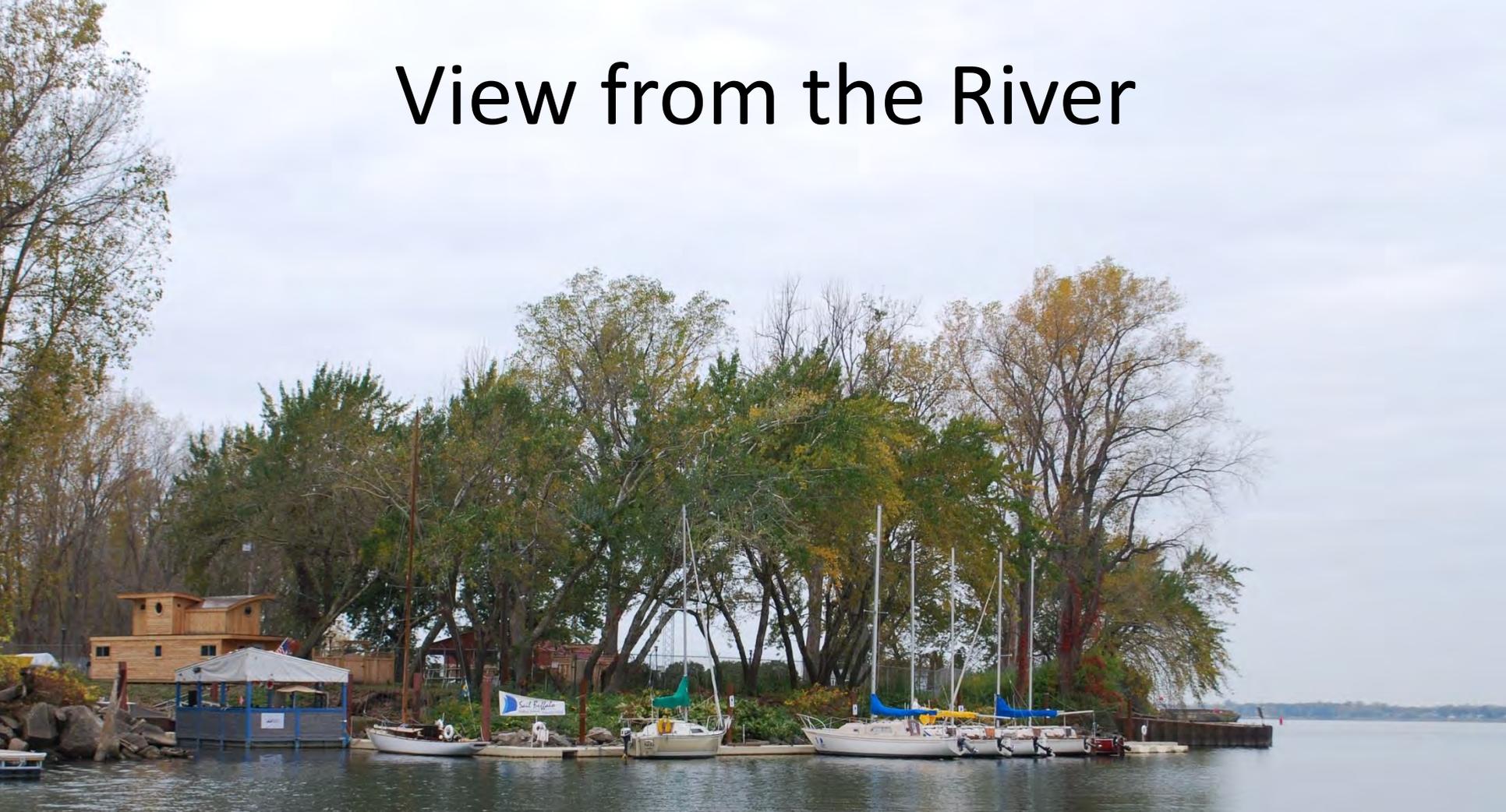
Floating on 6400 recycled pop bottles with recycled sails as a roof. The project was really fun, a truly great collaborative effort! We were inspired by a floating dining room in Seattle. Thanks to our sponsors we created this during 2011.



**2013
THE BIRTH OF
A COMMUNITY BOATING
CENTER**



View from the River



Thanks to generous funding in 2013 from the Niagara River Greenway Commission and NYPA, hard work from key volunteers and contractors who shared our vision, we were able to build out what was needed. In 2013, we constructed and implemented many new important milestones as seen above.

Junior Sailing Camp

Small Dinghies, Puddle Ducks; Kids have fun with other kids, full nature immersion!

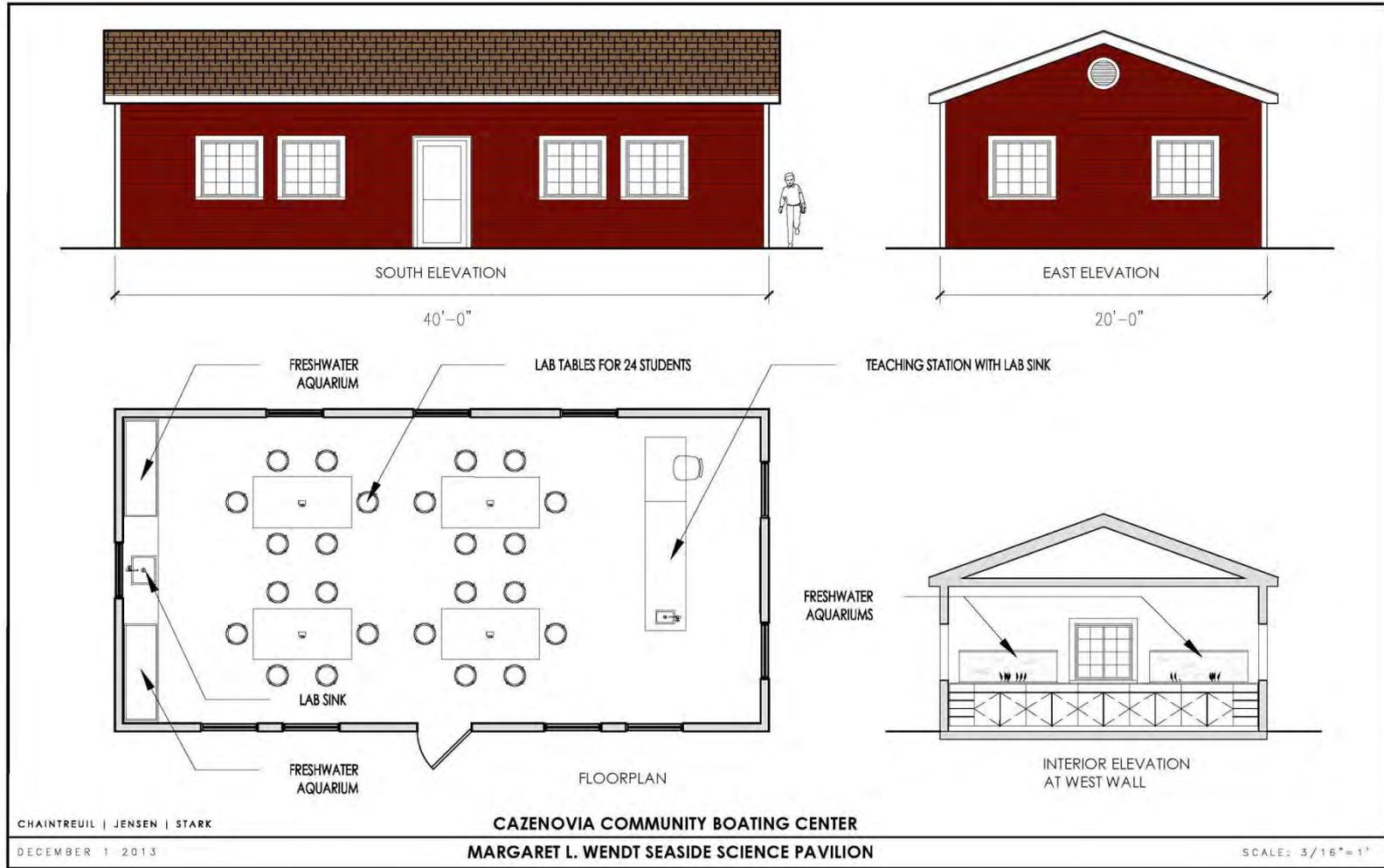




**THE
POWER
OF
TEAM
MAKES
EVERYTHING
POSSIBLE!**



Seaside Science Lab



Greenhouse



Greenway Fitness Dome

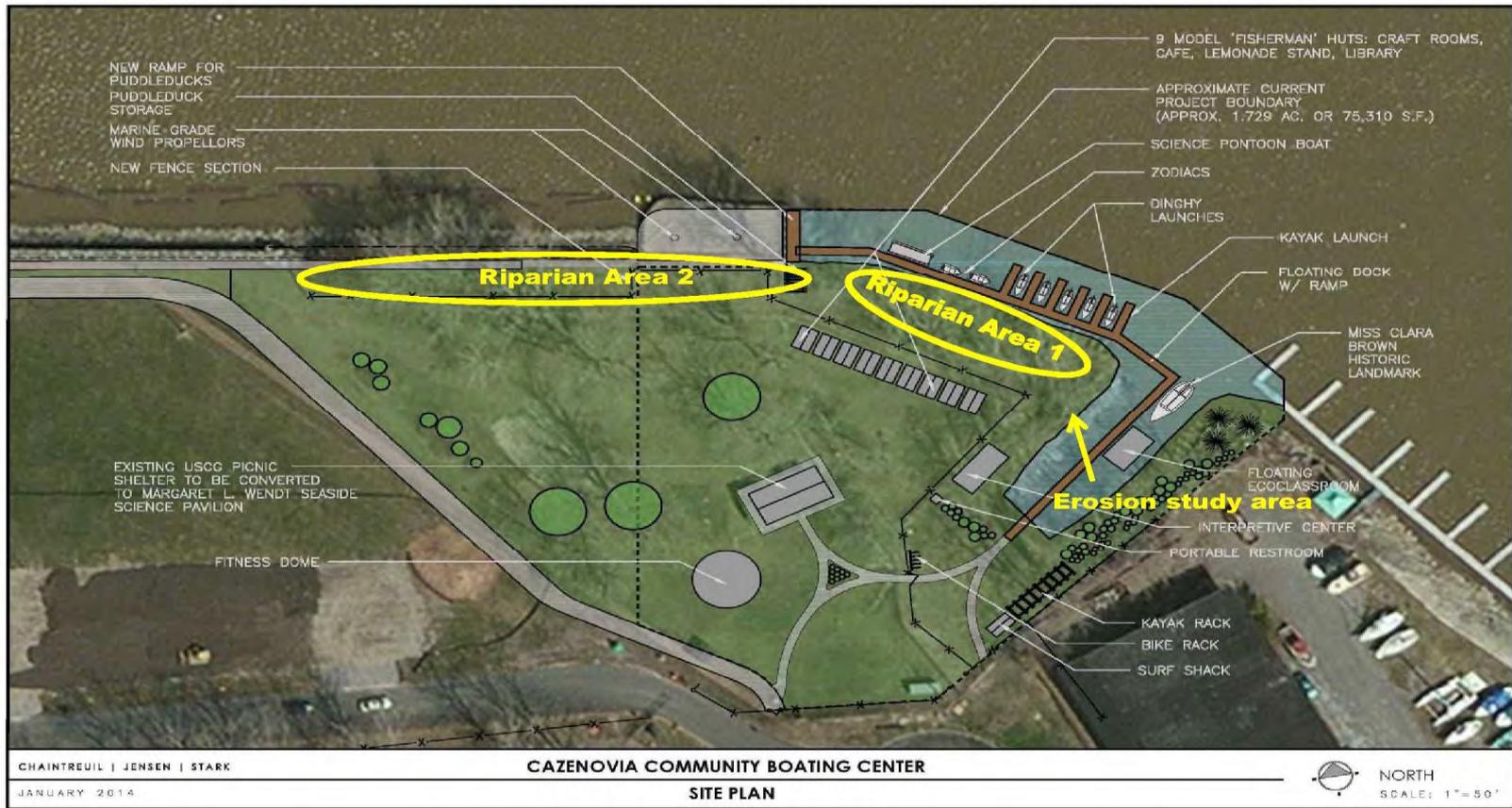


Fisherman Huts



THE 2014 Expansion Plan

Creating the Buffalo Sailing & Science Academy



Location, Location, Location



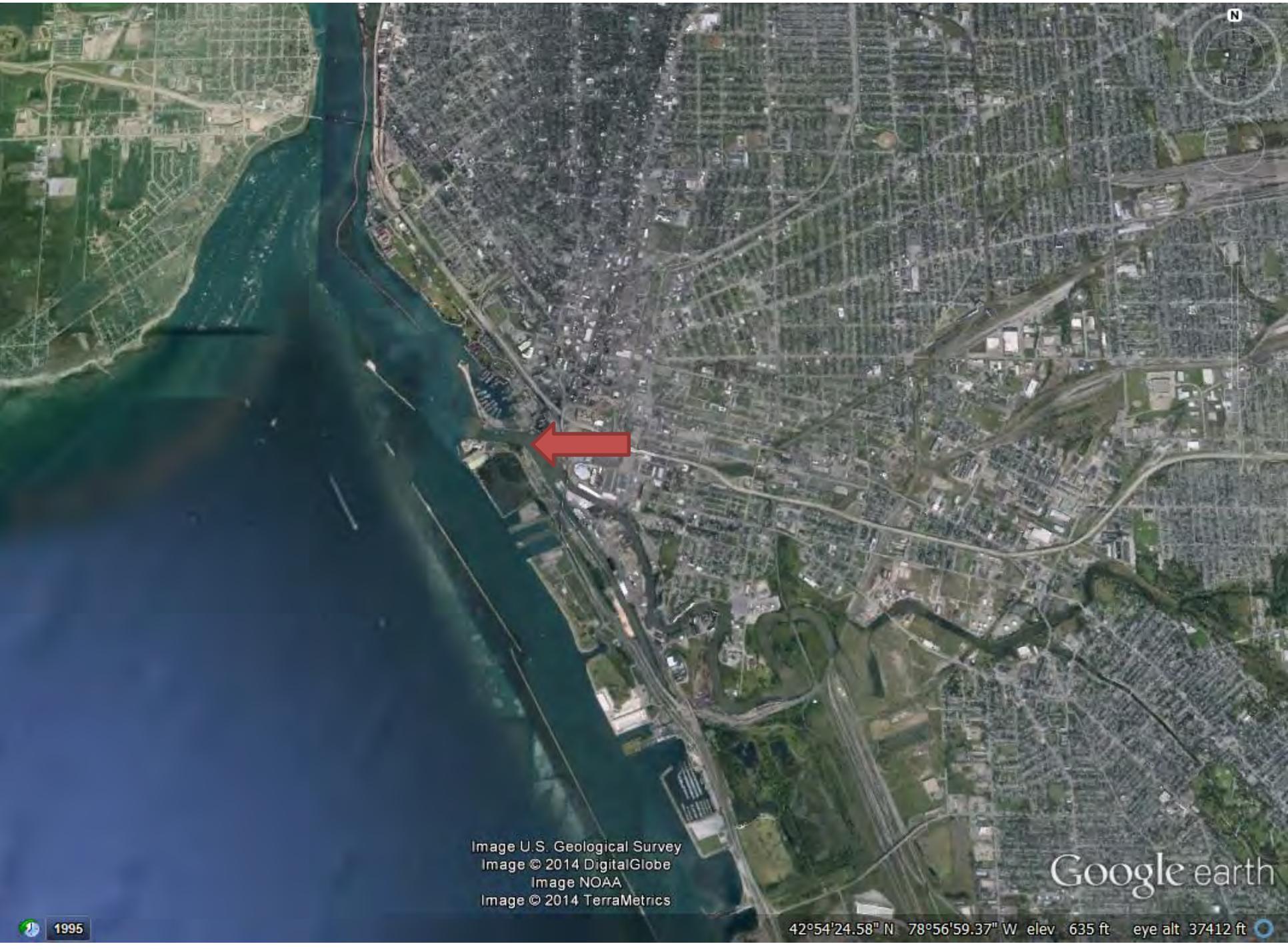
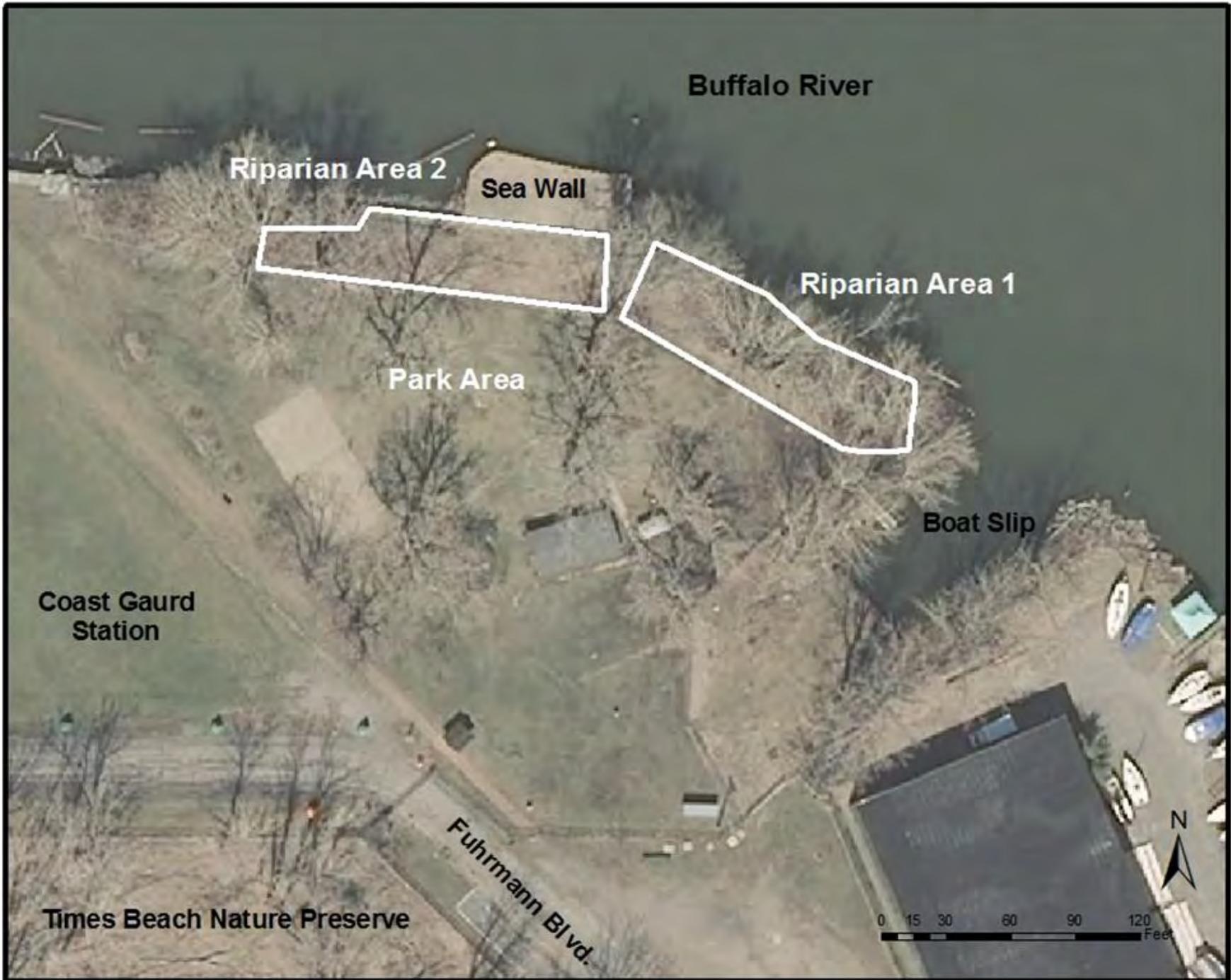


Image U.S. Geological Survey
Image © 2014 DigitalGlobe
Image NOAA
Image © 2014 TerraMetrics

Google earth

1995

42°54'24.58" N 78°56'59.37" W elev 635 ft eye alt 37412 ft



Buffalo River

Riparian Area 2

Sea Wall

Riparian Area 1

Park Area

Boat Slip

Coast Gaurd
Station

Times Beach Nature Preserve

Fuhrmann Blvd.

0 15 30 60 90 120 Feet



Riparian Area 1

6,000 ft² shoreline site

Invasive Species Control

Limited Common Buckthorn
and White Poplar

Control:
Minor Mechanical Control
Annually

Abundant, but low density
Japanese Knotweed

Control:
Mechanical Control and
Herbicide Application
for 2-3 Years



Riparian Area 2



5,000 ft² shoreline site

Invasive Species Control

**Small Common Buckthorn
Dominates, some White Poplar
and Honeysuckle present**

Control:

**Mechanical Cutting followed
by Herbicide Application of
sprouting stumps for 2-3 Years**

No Japanese Knotweed

Native Shrub Plantings

Why Shrubs:

Dense stand of shrubs to compete with non-native species

Many species produce fruit for birds and wildlife

Lower stature will not obscure views of the Buffalo River

Coast Guard Station security concerns

Riparian Area 1 – 150 shrubs

Riparian Area 2 - 125 shrubs

8-10 native species

Planting Density: 6 foot on center

Cluster plants by species

#1 - #3 container plants

Live stakes within riprap of RA1

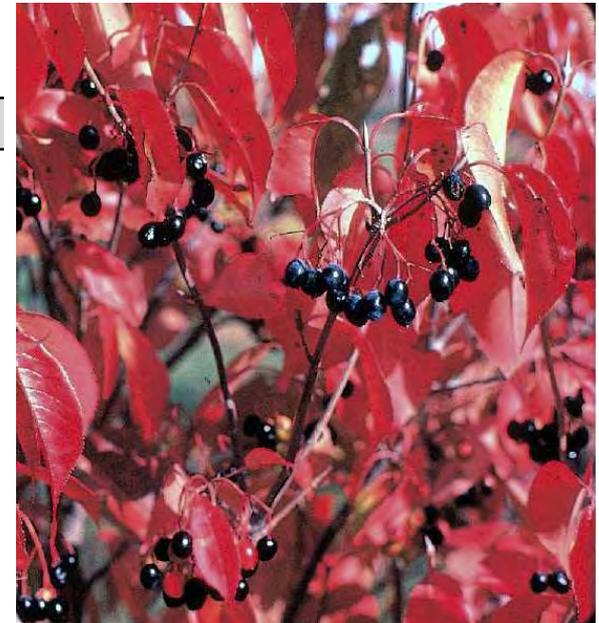


Riparian Area 1 – Species List

<u>Lower Slope Planting Area</u>		<u>Upper Slope Planting Area</u>	
Common Name	Scientific Name	Common Name	Scientific Name
red chokeberry	<i>Aronia arbutifolia</i>	gray dogwood	<i>Cornus racemosa</i>
black chokeberry	<i>Aronia melancocarpa</i>	hazelnut	<i>Corylus americana</i>
silky dogwood	<i>Cornus amomum</i>	witch-hazel	<i>Hamamelis virginiana</i>
red osier dogwood	<i>Cornus sericea</i>	spicebush	<i>Lindera benzoin</i>
winterberry	<i>Ilex verticillata</i>	ninebark	<i>Physocarpus opulifolius</i>
pussy willow	<i>Salix discolor</i>	meadow sweet	<i>Spiraea alba</i>
Missouri willow	<i>Salix eriocephala</i>	arrowwood	<i>Viburnum dentatum</i>
sandbar willow	<i>Salix interior</i>	nannyberry	<i>Viburnum lentago</i>

Riparian Area 2 – Species List

Common Name	Scientific Name
black chokeberry	<i>Aronia melancocarpa</i>
gray dogwood	<i>Cornus racemosa</i>
hazelnut	<i>Corylus americana</i>
witch-hazel	<i>Hamamelis virginiana</i>
spicebush	<i>Lindera benzoin</i>
ninebark	<i>Physocarpus opulifolius</i>
elderberry	<i>Sambucus canadensis</i>
meadow sweet	<i>Spiraea alba</i>
arrowwood	<i>Viburnum dentatum</i>
nannyberry	<i>Viburnum lentago</i>



Park Area Tree Planting

Great Views of the Buffalo River

**Maintain Existing Tree Canopy
for Migratory Songbird Habitat**

1.5-2.5" Bare Root Trees

Swamp White Oak*

Pin Oak*

American Basswood*

Honey Locust

American Sycamore

Species adapted for urban parks

***Species with high wildlife value**

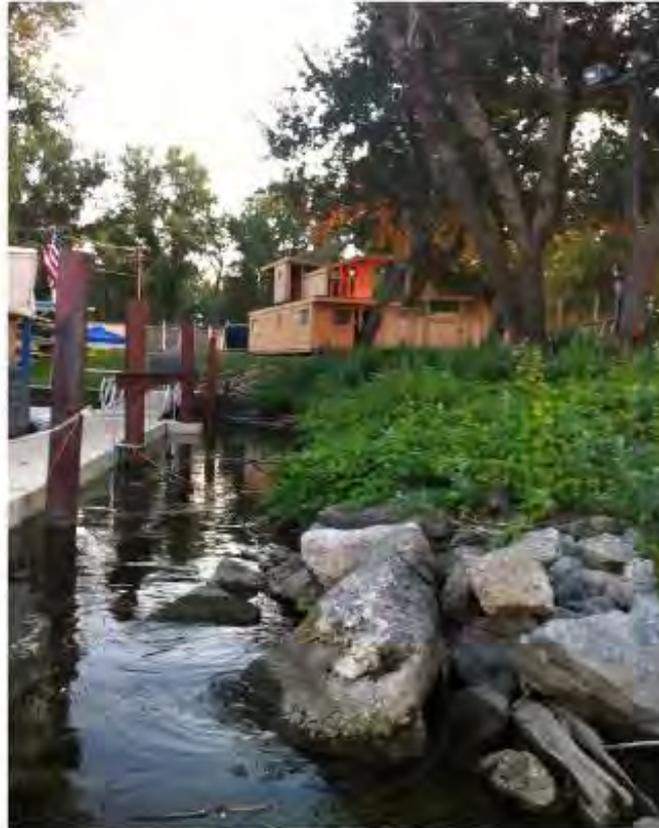
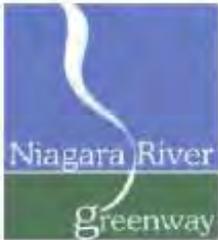
(Tallamy, 2007)





Cazenovia Community Boating Center - Phase 2

**Thank You
& Questions**



**Invasive Species Control and Native Tree & Shrub
Species Planting Plan, Park Beautification Project**