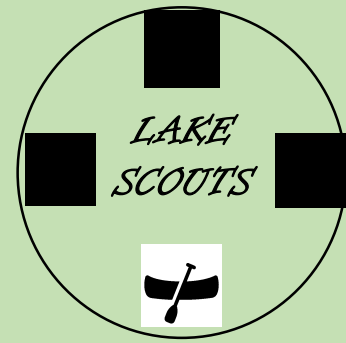


*LAKE
SCOUTS*



Maureen Jobrack

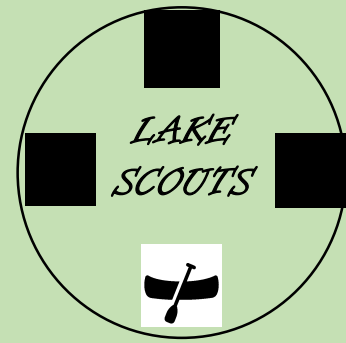
✈ Chair of Cupsaw Lake Environmental Committee

✈ Contact Info:

✈ Email: modjobrack@gmail.com

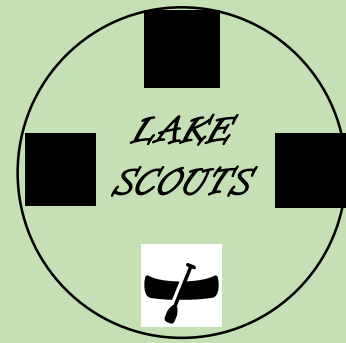
✈ Phone: 973-869-9360

✈ Please email with questions about curriculum



2023 Cupsaw Lake Scouts

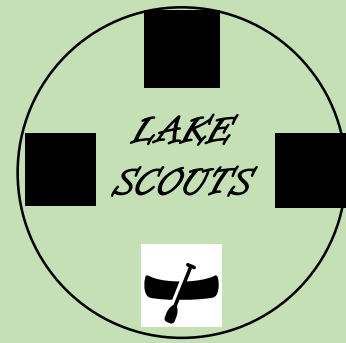
- 🚣 Where did this idea come from?
- 🚣 What was the goal?
- 🚣 Who were the volunteers?
- 🚣 What did we do?
- 🚣 How did it go?
- 🚣 What is the dream?



The Idea and Goal


🚣 Kids are great motivators for their parents





Who Helped?

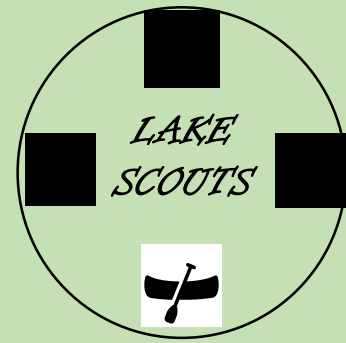
Members of the Environmental Committee

 High School Science teacher

 Garden Club members

 Environmental Scientist

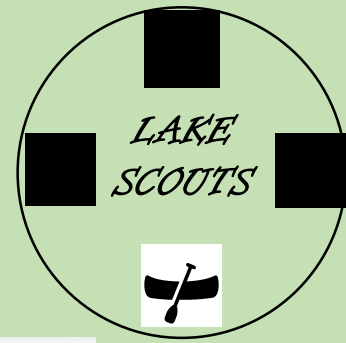
 Goose Whisperer



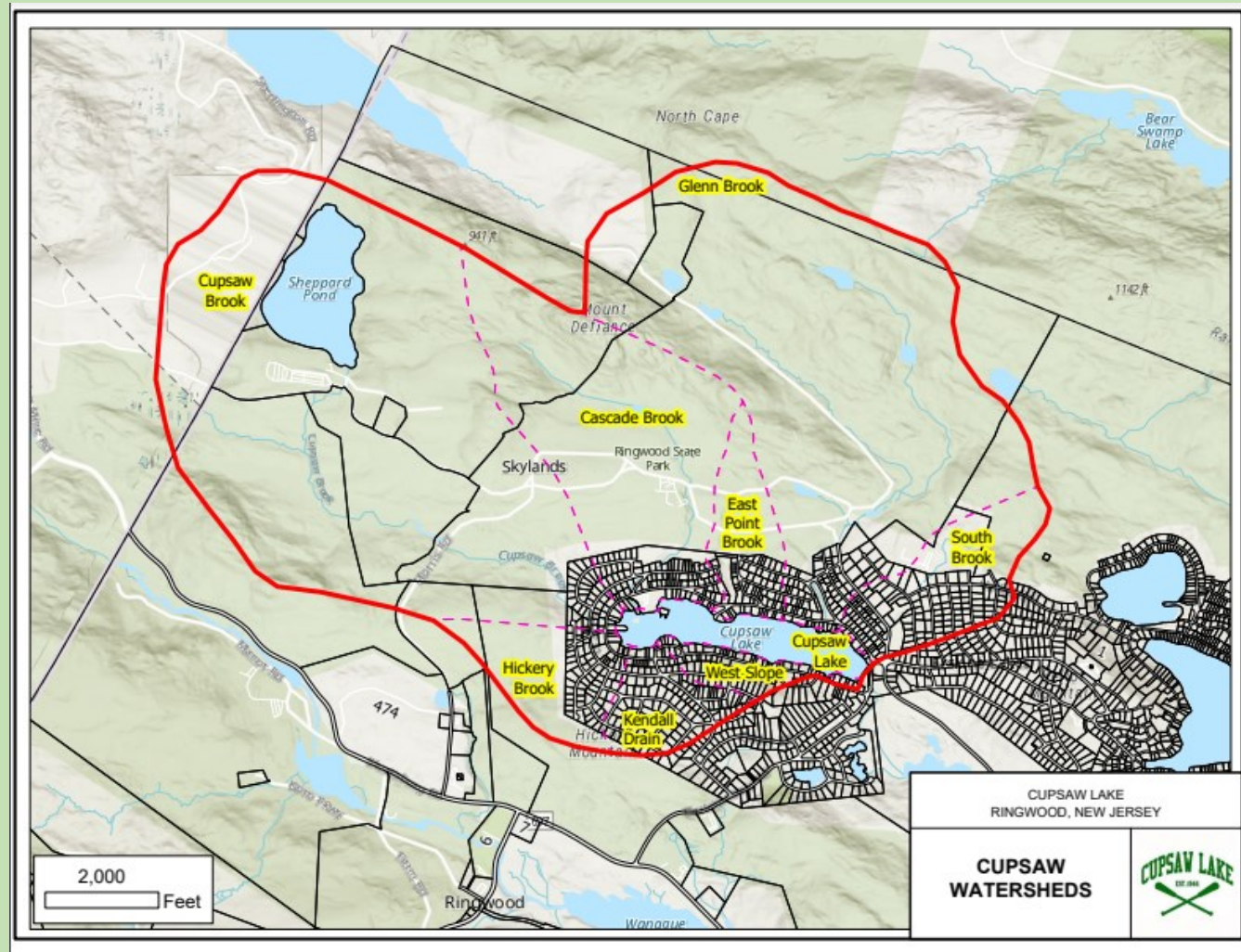
What Did We Do?

- ✈ Kids learn the basics of lake health
- ✈ 6 Sessions lead by volunteers
 - ✈ Watershed
 - ✈ Measurements
 - ✈ Groundwater
 - ✈ Invasive species
 - ✈ Living things in the lake
 - ✈ Lake Tour
- ✈ Enviroscape Mini Camp

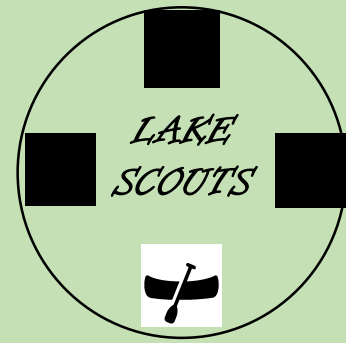
Understanding the Watershed



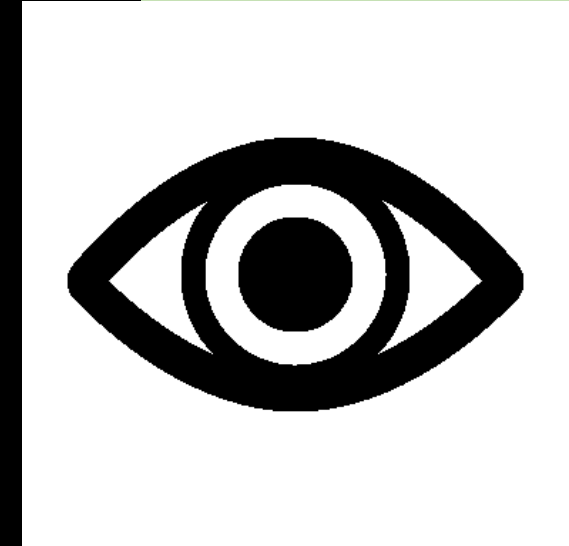
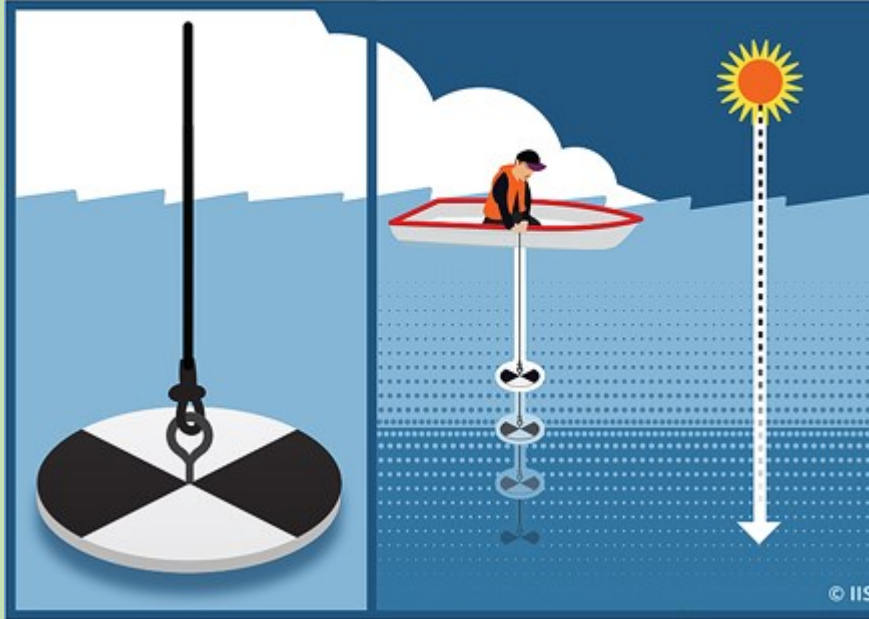
Stickers on their
houses



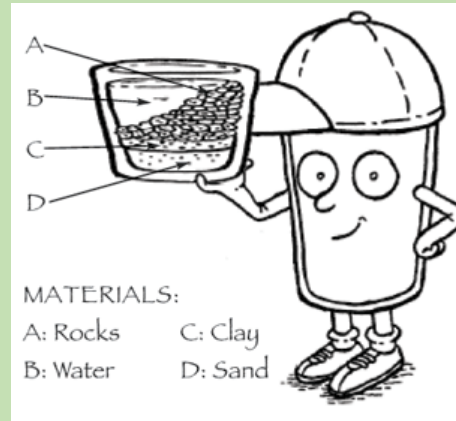
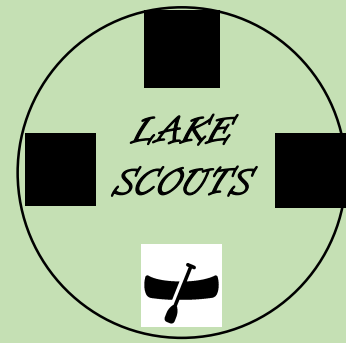
How We Measure Lake Quality



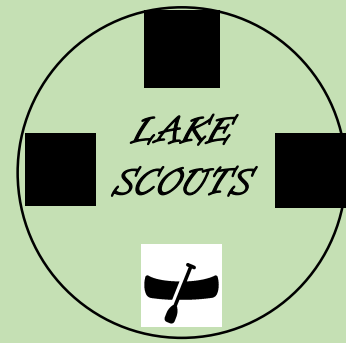
Secchi Disk



Understanding Groundwater



Invasive Species



INVASIVE PLANT SPECIES

Maintaining Healthy Ecosystems

 <p>MULTIFLORA ROSE</p> <p>Multiflora rose grows aggressively and produces large numbers of fruits (hips) that are eaten and dispersed by a variety of birds.</p>	 <p>GARLIC MUSTARD</p> <p>Garlic mustard has displaced vast areas occupied by native spring wildflowers. Chemicals in garlic mustard are toxic to the larvae of the native butterflies.</p>	 <p>BAMBOO</p> <p>Bamboos can form very dense single-species thickets that displace native plant species and create dense shade that makes it difficult for seedlings of native species to survive.</p>
 <p>COMMON DAYLILY</p> <p>Once established, daylily multiplies and spreads to form dense patches that displace native plants. The thick tubers make it a challenge to control.</p>	 <p>ENGLISH IVY</p> <p>English ivy is an aggressive invader that threatens all vegetation levels of forested and open areas, growing along the ground as well as into the forest canopy.</p>	 <p>YELLOW FLAG IRIS</p> <p>Yellow Flag Iris takes over aquatic habitat and out-competes native plants by forming thick clumps that are hard to remove.</p>

NATIVE ALTERNATIVES

Maintaining Healthy Ecosystems

 <p>CREEPING PHLOX</p> <p>Creeping phlox offers vibrant flowers, forms dense ground covers, and is well-suited for landscaping projects, contributing to the beauty and biodiversity of gardens.</p>	 <p>LADY FERN</p> <p>Native ferns provide microhabitats for various insects and other creatures that live in woodland settings and provide shade and shelter for ground-feeding birds, turtles, and frogs.</p>	 <p>FLOWERING DOGWOOD</p> <p>Flowering dogwoods offer ornamental beauty with their attractive flowers, provide food and habitat for wildlife, and contribute to soil erosion control.</p>
 <p>BLACK-EYED SUSAN</p> <p>Black-eyed Susans provide a burst of vibrant yellow blooms, attract pollinators, and add a cheerful and low-maintenance element to gardens and landscapes.</p>	 <p>BUTTERFLY WEED</p> <p>Butterfly weed serves as a nectar source for butterflies, attracts other pollinators, adds vibrant orange flowers to the landscape, and acts as a host plant for monarch butterflies, making it a valuable addition to gardens and pollinator habitats.</p>	 <p>BLUE FLAG IRIS</p> <p>Blue flag iris (Iris versicolor) provides stunning blue-purple flowers, attracts pollinators, contributes to wetland ecosystems, and adds beauty and biodiversity to gardens and natural areas.</p>

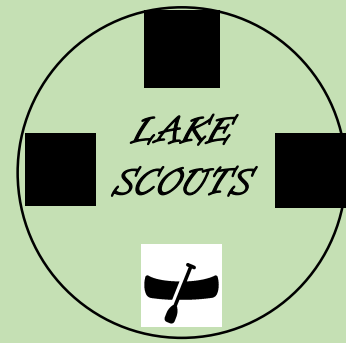
Living Things In the Lake



The Tour



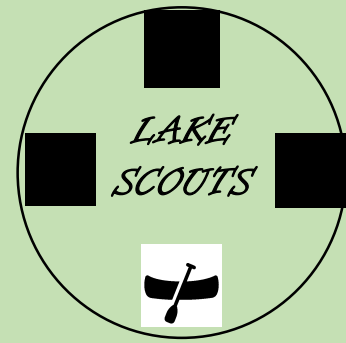
What Is....



The Mini Camp



How Did it Go?



30 Kids



Health Department Interest

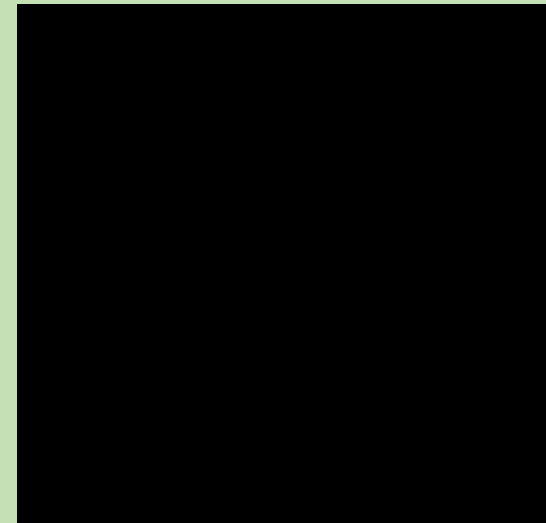
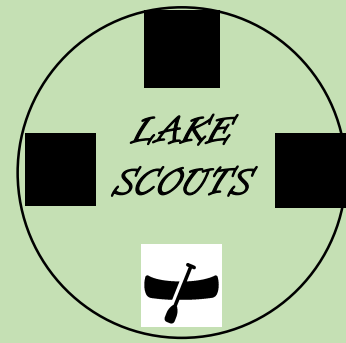
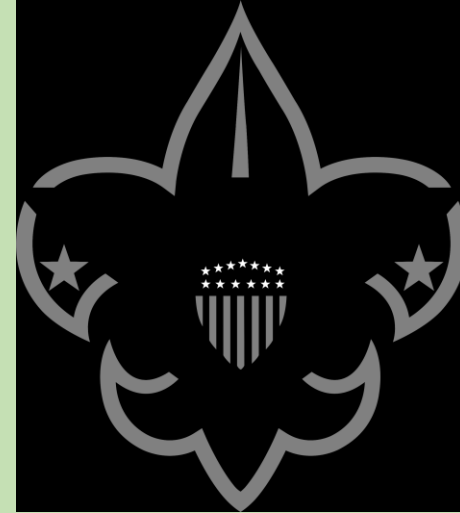
SUCCESS!

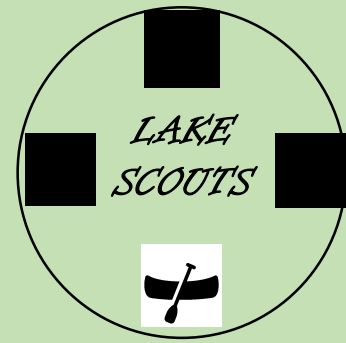
Parental Interest and Attendance

What's Next?

The Dream:


-  Each big lake in Ringwood has a “Troup”
-  Offered each summer as a badge that can be part of the larger Scout programs available





Additional Curriculum Ideas*

What's That Muck?

-  Exploring the lakebed and understanding what's in it

How Many Critters?

-  Learn to estimate using quadrants

Grow some Algae

-  Add nutrients to a mason jar of lake water and see what happens!



QUESTIONS?