

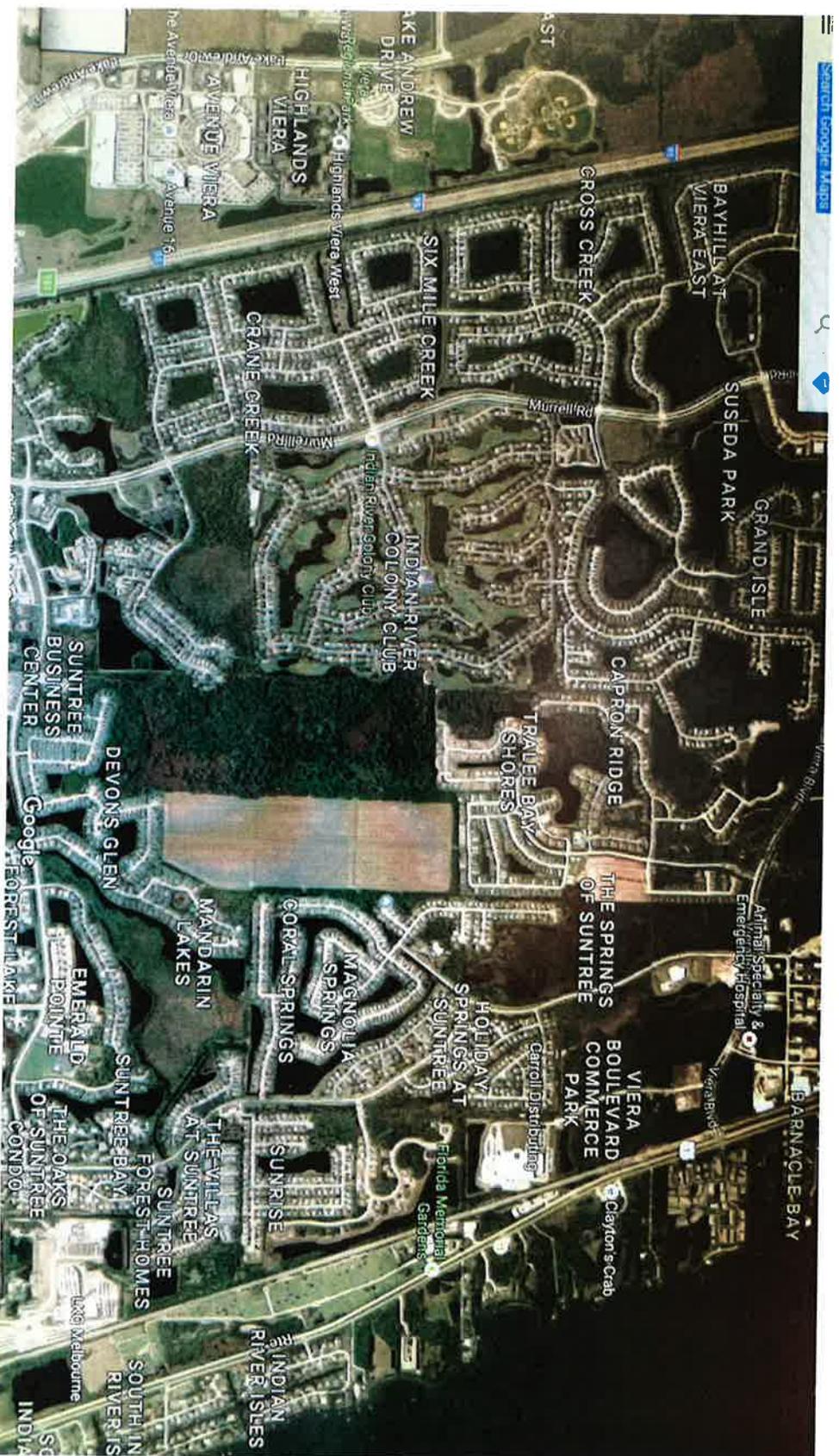
Hundred Acre Hollows

Brevard Wildlife and STEM Education
Center

THANK YOU!

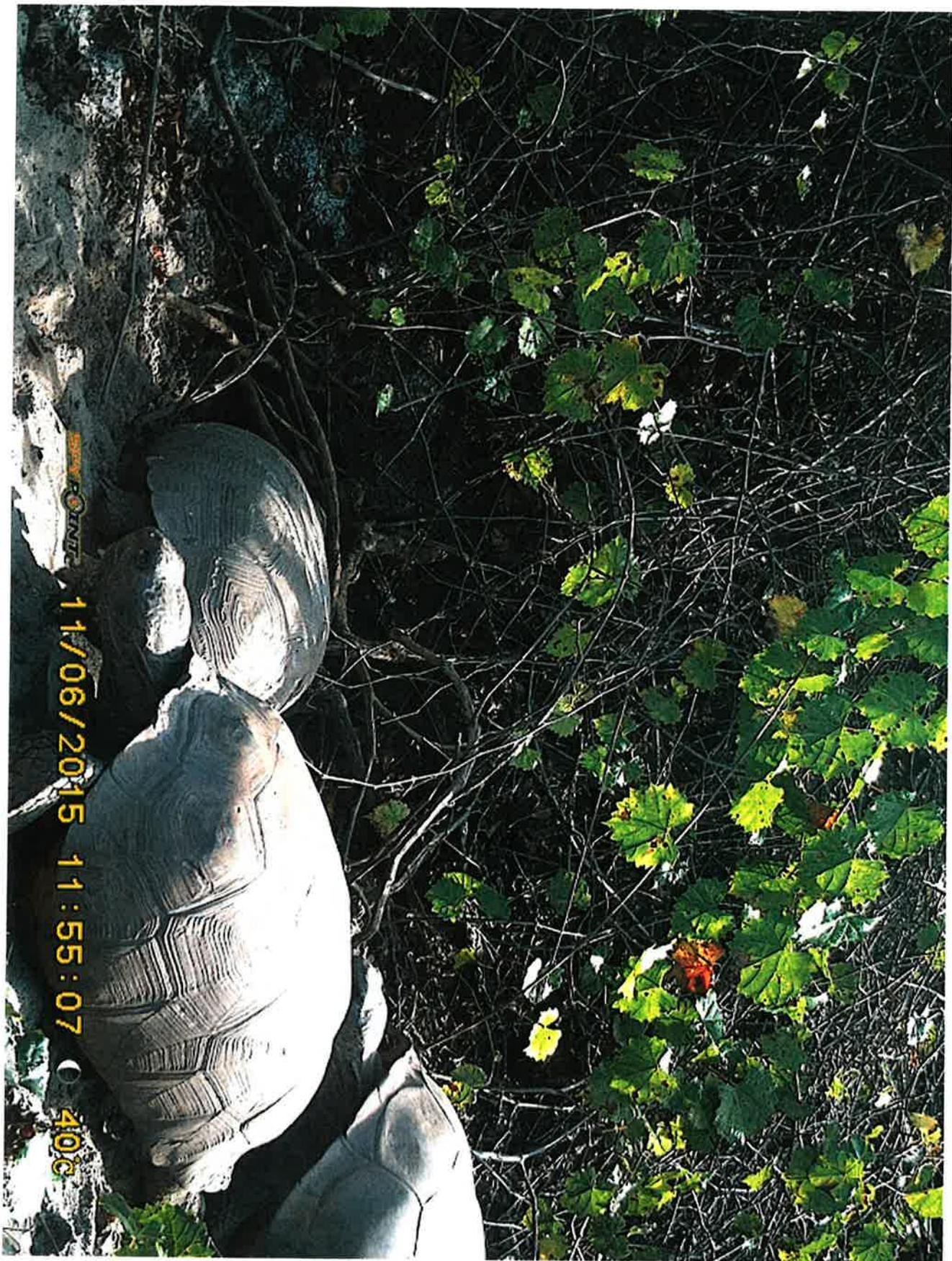


114 Acres is surrounded by houses and wetlands



The “Space Coast Eco Geeks,”
4 Brevard County teachers, studied
the Gopher Tortoises and GPS tagged
249 burrows.





SONY

11/06/2015 11:55:07

40°C

Many other animals live there.



Small animals



Reclaimed water pipes for Rock Springs Rd are on the property



There was a pond in the middle basin that stays wet even in January.



View west along the north line of Parcel 2. The berm separates Parcel 2 from a large wetland/infiltration pond to the north.

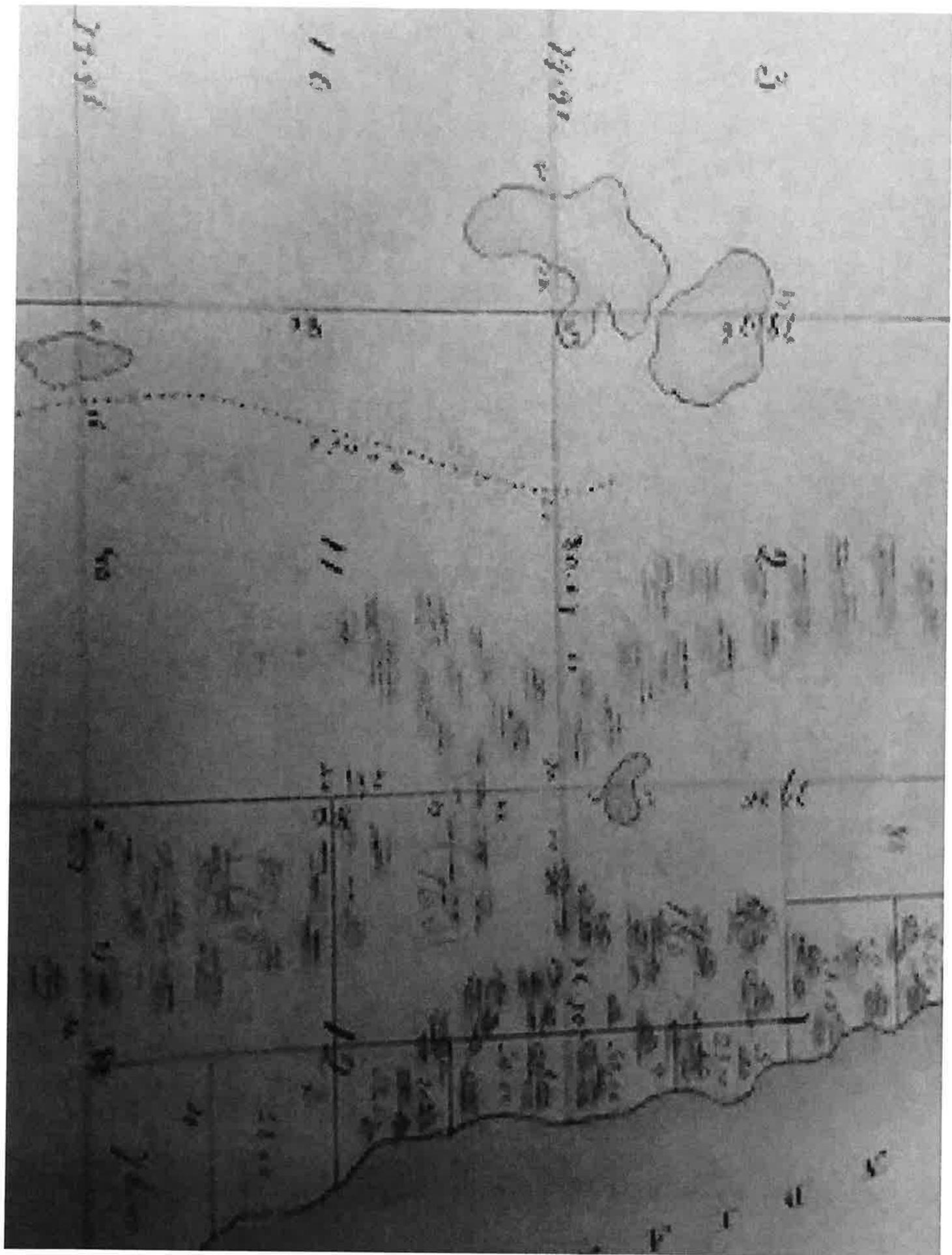
View of the large wetland/infiltration pond north of Parcel 2

Can it be restored as a nesting site
for imperiled Sandhill Cranes?



Hernandez Trail in 1837

- An 1844 map showed that the historic Hernandez Trail was cut here following an Ais Indian Trail on the Atlantic Ridge. Areas 2 and 11 are the 114 acres.



FWC does not have this site as a legal GT relocation area.



What to do:

- County maintains ownership of the land
- conservation easement for the animals
- allow experts on-site to make recommendations
- creating different habitats in different basins
- STEM education center
- walking trails
- form a nonprofit to raise funds

Revenue generation

- Mitigation: wetlands restoration
- Cell tower
- Business partners
- Grants: state and federal
- Eco tourism

Community Support

- People from all over Brevard County (24 zip codes)
- Floridians from Panama City to Miami, Jacksonville to Ft Meyers (33 zip codes)
- Signatures from VT, NY, NJ, PA, VA, NC, SC, GA, AL, MN, IL, MI, and CA
- This was a person to person campaign with paper and signatures.

**ALL OVER FLORIDA IN OUR PARKS IS PRESERVED
PRIMITIVE, ORIGINAL, NATURAL FLORIDA—
THE FLORIDA OF YOUR HISTORY BOOKS AND GEOGRAPHY,
THE FLORIDA THAT FIRES IMAGINATIONS AND
CREATES A DESIRE TO SEE, TO EXPERIENCE, TO ENJOY.**

— JOHN D. PENNEKAMP, FLORIDA BOARD OF PARKS AND HISTORIC MEMORIALS MEMBER, IN A SPEECH TO THE MIAMI ROTARY CLUB, 1955

4th of July parade 2016

Begins on Ida Way



Holiday Springs Rd

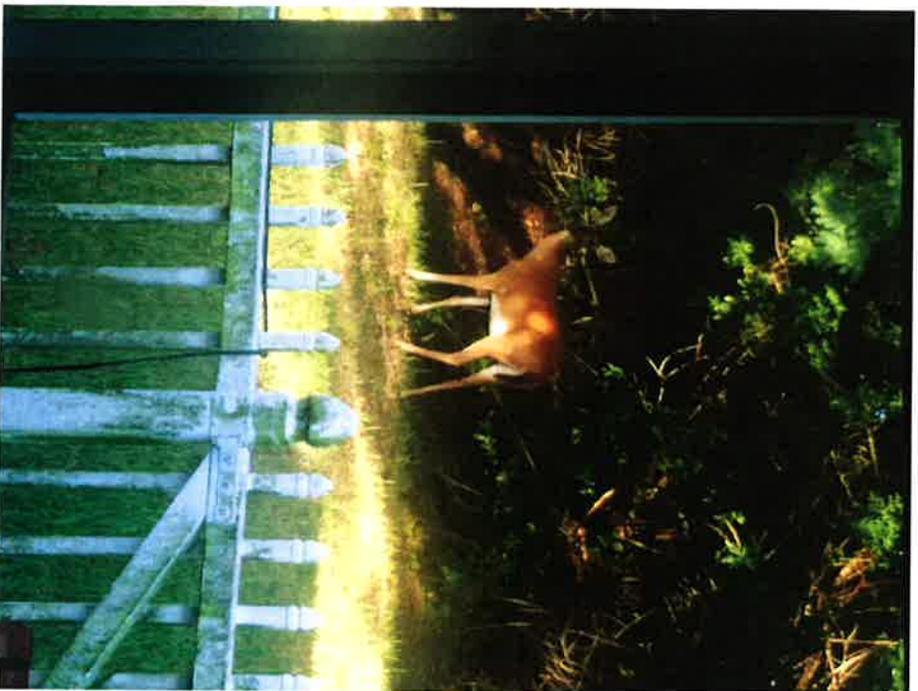


Our feathered neighbors



Backyard neighbors

Hill Ave - Sept 18, 2016



Rock Springs Rd - Nov 2015



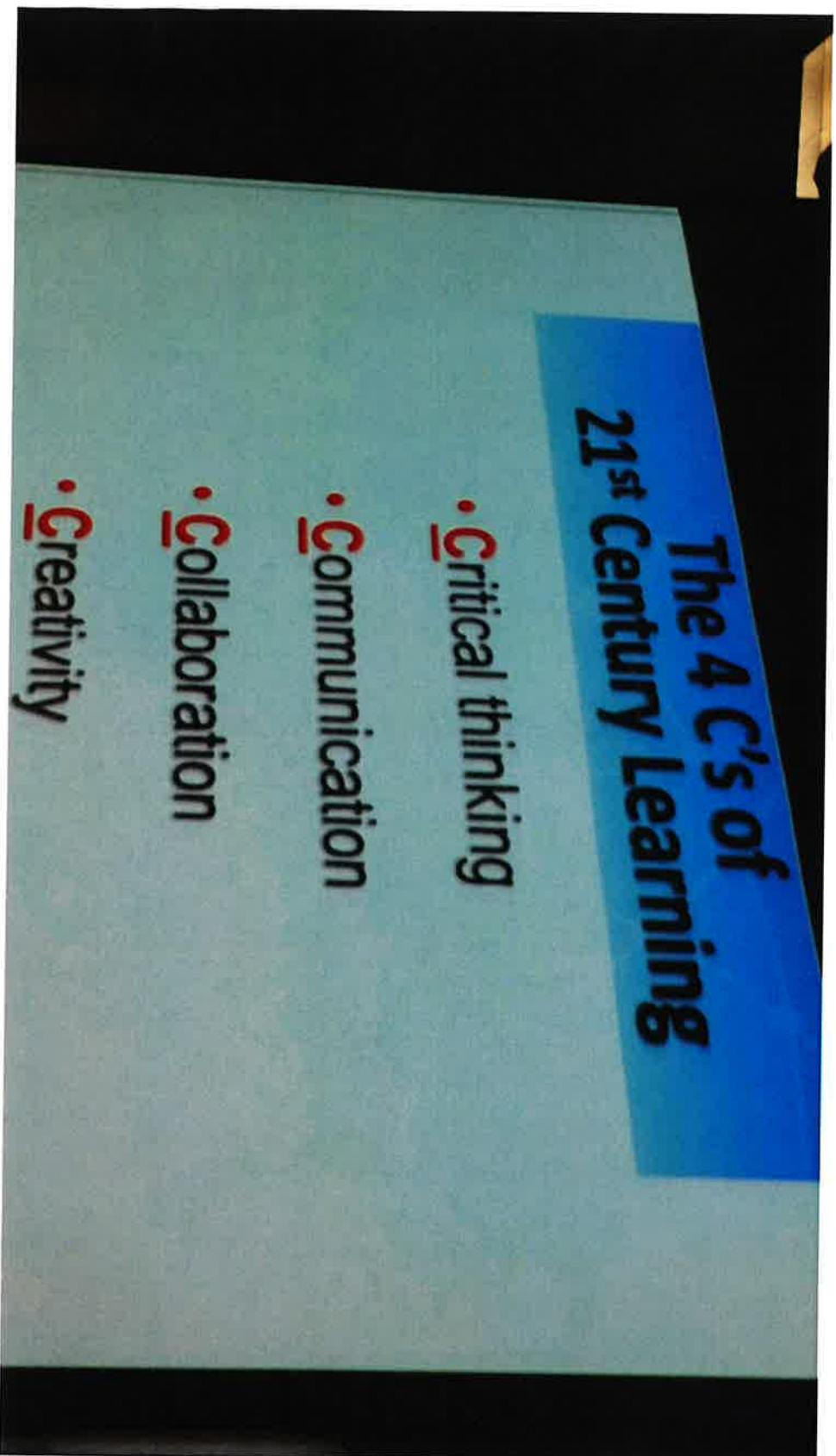
Beyond Sustainability

- The Nature Principle: Environmentalism's motto should be to conserve and create.
- Vitamin N: Become a citizen naturalist, count birds, monitor monarch butterflies, help restore habitat on land or in water.
- Belonging: Make your town the best in the world for connecting families to nature!

STEM Education

- Science, Technology, Engineering, and Math
- STEM is a culture, not a class.
- STEM is real world discovery.
- STEM is student centered.
- Learning indoors and outdoors.
- Uses critical thinking to find a solution.

21st Century Learning



The 4 C's of 21st Century Learning

- Critical thinking
- Communication
- Collaboration
- Creativity

Gopher tortoises are a keystone species. What's a keystone?

The last piece of an arch that makes it stand using gravity.

Collaboration & communication



GT's dig burrows that are homes
for other animals.

Armadillo



Eastern spotted skunk



STEM Building activity

Build a bridge that will support a box of paperclips.



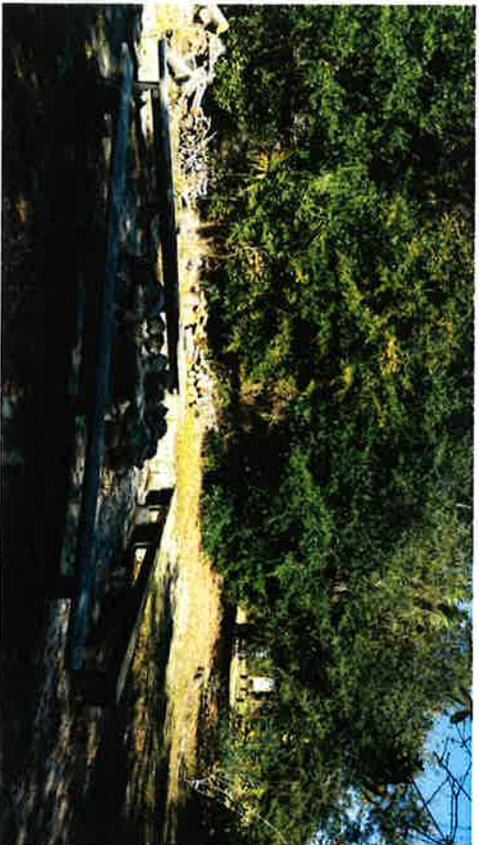
Build a shelter to protect you from the elements using natural materials

- Small logs of different lengths
- Stones and dirt
- Large palm fronds
- Bark & vines
- Rope

Outdoor classrooms



Outdoor history classroom

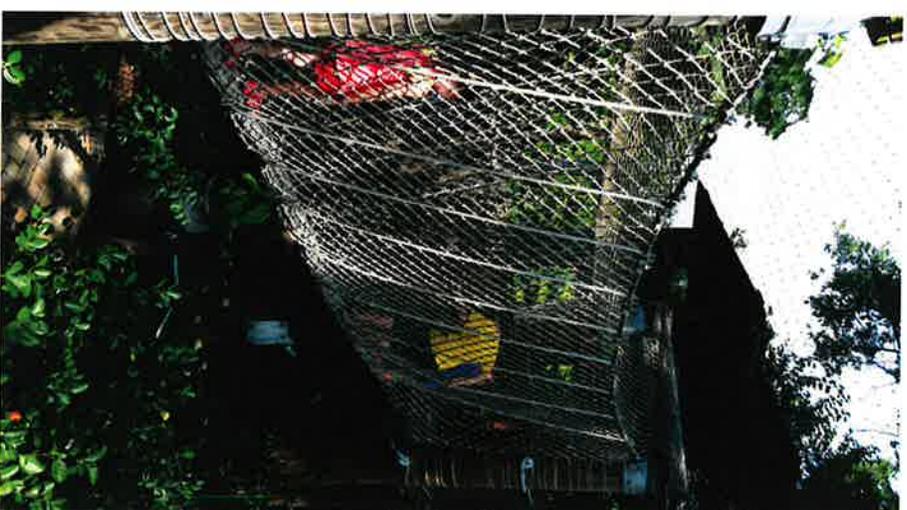


Missouri Botanical Garden

Nature Explore Classroom



Children's Garden



Children's Butterfly Garden



Further educational possibilities

Sustainable Education for adults:

demonstration gardens with native plants

aquaponics

community gardening

Cisterns and rain barrels

Solar power (job training: installing solar panels)

Health and rehabilitation

Doctors prescribe nature walks to help with depression.

Partnering with the VA to help PTSD patients by working in nature

Helping children with ADHD

Volunteer opportunities

- Rangers
- Students earning Bright Futures hours
- Boy and Girl Scout projects
- Garden clubs and Master Naturalists
- Environmental groups
- Youth group service projects
- Actors: 1837 army and native peoples

Rosie awaits the future

