

COMMON USACE PARTNERS



US Army Corps
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Military: Operation Warfighter/Wounded Warrior

2



- Many agencies have **hired wounded warriors into permanent positions** as they “graduate” from OWF and transition out of the military.
- Many participants have indicated that OWF, as a wellness activity, restored a sense of normalcy and **eased the transition back to work.**
- Not just about employment – Placing wounded, ill and injured Service members in supportive work settings outside of the hospital environment **positively impacts the recuperation process.**



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Put that Unusual Skill to use

3



- Wounded Warrior Travis Barnett participates in the unmanned aerial vehicle program in SAJ
- IDs prop scarring on manatees and digitizes into ARC GIS so planners can accurately quantify scarring
- Locates & IDs plant species
- Performs maintenance on UAVs
- Developed a comprehensive UAV training program for new pilots and ground station operators.



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Placing water quality buoys at Thurmond

SGT Jonathan Jones- assisting with debris pile burning after timber harvest, J Strom Thurmond Lake





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DoD Skillbridge Program

5



- Allows Service members to gain valuable civilian work experience through specific industry training, apprenticeships, or internships during the last 180 days of service.
- For Service members: provides chance to work and learn in civilian career areas
- For USACE: access and leverage the world's most highly trained and motivated workforce at no cost. DOD pays for all salary and benefits
- Service members participating in SkillBridge receive their military compensation and benefits, and industry partners provide the training and work experience.
- Need to sign an MOU with DOD and then post the opportunities on the SkillBridge page.
- <https://skillbridge.osd.mil/program-overview.htm>
- <https://skillbridge.osd.mil/industry-employers.htm>
- <https://home.army.mil/imcom/index.php/customers/career-skills-program>





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Wounded Warriors.Org

6



MISSION: To honor and empower wounded warriors.

VISION: To foster the most successful, well-adjusted generation of wounded warriors in this nation's history.

PURPOSE:

- Raise awareness/enlist public's aid for injured service members
- Help injured service members aid and assist each other.
- Provide unique, direct programs and services to meet the needs of injured service members.



Partnership between USACE Jennings Randolph Lake, Storm Mountain, Inc., and the Wounded Warrior Project – raised \$32,000



Texas Parks and Wildlife Department and U.S. Army Corps of Engineers, Fort Worth District's Town Bluff Project Office – Alligator hunt



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Jennings Randolph Physically Challenged Hunt

7



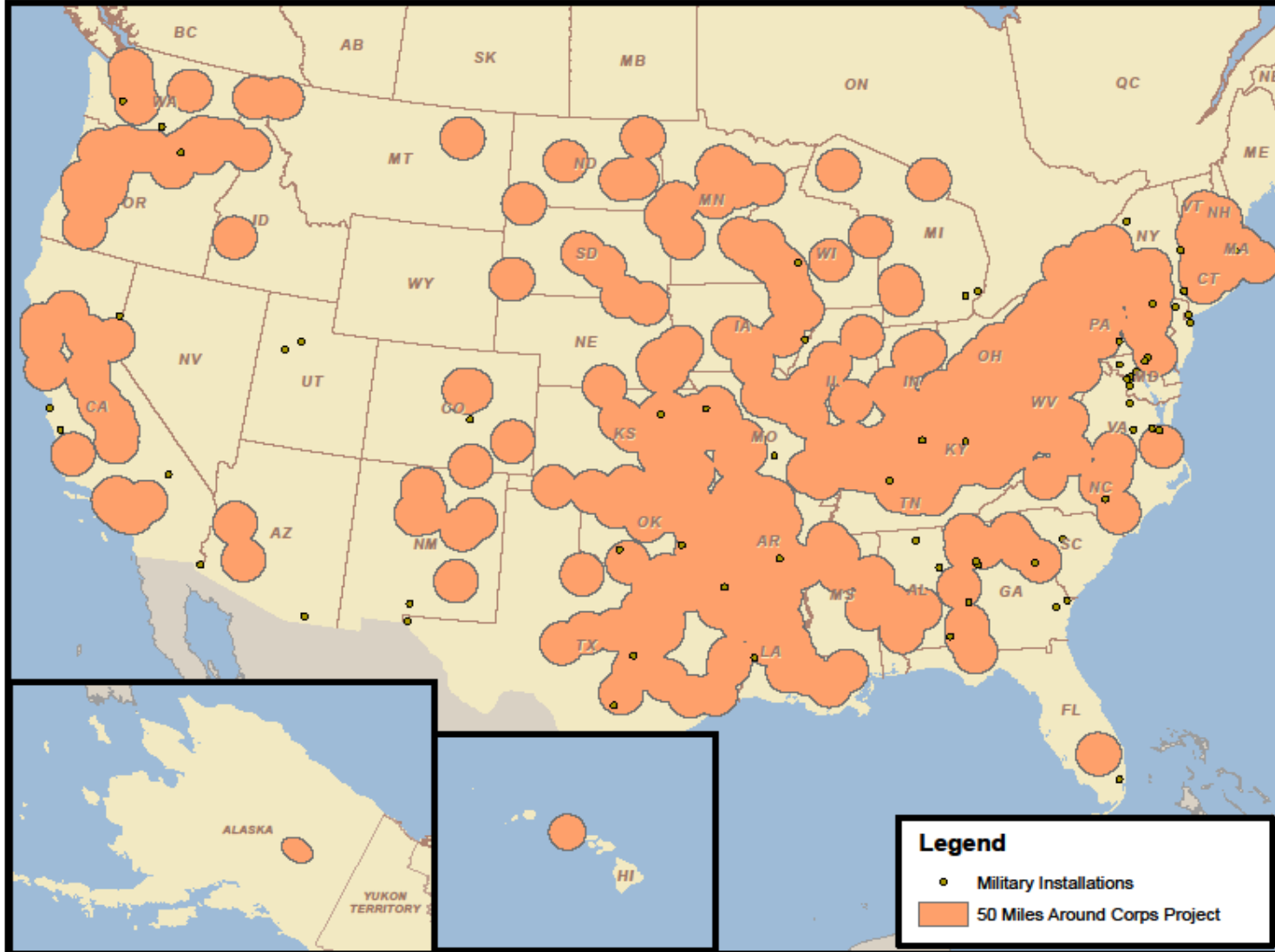


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MWR Programs on Military Bases

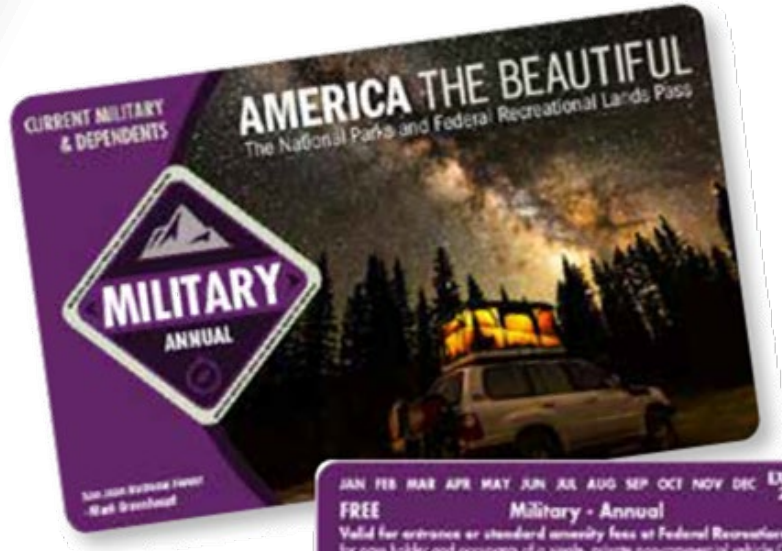
51% of Army installations are within 60 miles of USACE lake: Reach out and market your programs!





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ATB Military Passes



Annual pass

Cost: Free

Available to:

- Current US military members and their dependents in the Army, Navy, Air Force, Marines, Coast Guard, and Space Force, as well as Reserve and National Guard members

Lifetime pass

Cost: Free

Available to:

- US military veterans
- Gold Star Family members



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C.A.S.T. Program – Take A Warrior Fishing Program



Eastman C.A.S.T. Take a Warrior Fishing event. Courtesy of castforkids.org



<http://castforkids.org/project/twf-program/>

Past TWF event locations:

- SAD: West Point, Tenn-Tom Waterway, Seminole, Walter F George
- LRD: Caesar Creek
- SWD: Waco, Big Hill, Grapevine, Canyon, Lewisville
- SPD: Pine Flat, Eastman, Success
- NWD: The Dalles, Willamette Valley



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Fisheries for Veterans

<http://f4v.ketrick.org/>



Nonprofit partnership that works with local communities to help design, develop and conduct activities connecting veterans and their families, local communities, government programs, and non-profit organizations





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ROTC/JROTC at DeGray Lake

- Brings approximately 60 high schools from around the state to the project and builds relationships with the Henderson State University/Ouachita Baptist University ROTC program.
- Provides an alternate location for local guard units to conduct PT training, rucksack march, as well as land navigation
- Members of the ROTC and JROTC serve as volunteers on trail maintenance projects and the Annual Shoreline Cleanup





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Iowa National Guard Training at Saylorville Lake



- High water event left debris on bull nose of intake
- Existing **Economy Act** agreement with Camp Dodge
- Removed debris at cost savings of \$30k compared to contractor estimate





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14

Natural Resources Management Gateway

to the future . . .

Home Visitors Lake Discovery Recreation Env Compliance Env Stewardship Partners ?
News/Events People Forums Learning GETS Tools New Postings Submit Index/Search ?

Partnerships Military

Military Partnerships

The Corps of Engineers is dedicated to encouraging the use of Corps recreation resources by the military and their families. Increased public awareness of Corps recreation programs, including increased awareness by Department of Defense and Armed Forces Commands, is a high priority.

Goal 2.4 of the [Corps Recreation Strategic Plan](#) is to “Strengthen relationships with military installations to meet the needs of both military families and the recreating public to foster use of Corps facilities by active duty, retired, and reserve military veterans and families.”

The Corps will contribute to the readiness and resilience of military members and their families through their participation in activities and programs at Corps lakes and rivers. The Corps will strengthen its unique relationship with the U.S. Armed Forces by expanding recreation programs and services for military members and their families. The Corps will promote safe and healthy outdoor recreation opportunities at Corps projects to all U.S. Armed Forces personnel, military families, and veterans.

- [Armed Forces Recreation Program](#)
- [Warriors in Transition Program](#)
- [Wounded Warrior Project](#)
- [Operation Purple Camps](#)
- [Operation Warfighter Program](#)
- [News/Current Issues](#)
- [Corps/Military Partnership Success Stories](#)
- [Military Installations on Corps Lands](#)
- [Army Installations Near Corps Lakes](#)



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WHAT IS YOUR PROJECT DOING WITH THE MILITARY?



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Educational Institute Partnerships

16



- Involvement with local universities and schools is a natural fit with the Corps' increasing emphasis on environmental stewardship and STEM.
- A good program can foster ownership of the project, which is beneficial when seeking community support.
- Think beyond the obvious... graphic design, environmental studies, event planning, recreation, biological sciences, engineering, architecture
- Give them the opportunity to say yes.



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Job/Intern Fairs

These are an easy way to begin interaction with your local university.

- Recruit volunteers
- Educate
- Establish an agency presence
- Establish relationships





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Guest Speaker for Intro to Rec Classes

18



The Athletic Department is a great way to promote water safety but the Recreation Department is your best way to get direct student interaction at your lake project.

- Educate
- Establish an agency presence
- Recruit
- Develop relationships



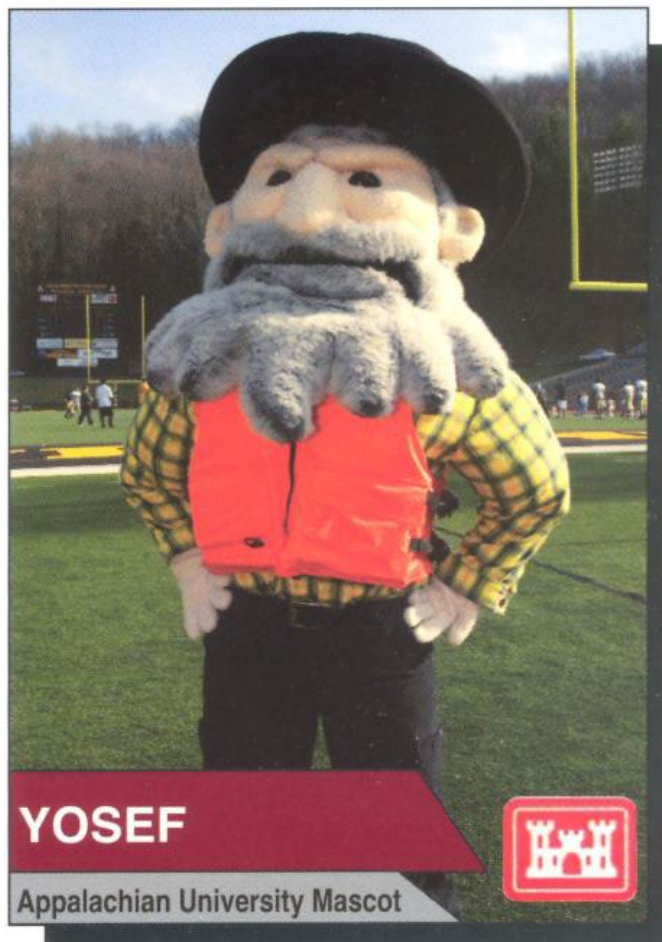
SM



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Case Study: W. Kerr Scott Lake & ASU



- **Make initial school commitment easy**, i.e. “Could we have 10 minutes of your time to take a picture of the mascot in a life jacket? Anytime would work for us.”
- At W. Kerr Scott Reservoir in SAW, Appalachian State University allowed a ranger to come to a practice to get photos and video of players, coach and mascot wearing life jackets and promoting water safety.
- *Note: Always take photos of the mascot and coach separately in addition to together in case of coaching staff changes.*

W. Kerr Scott Lake- SAW- North Carolina

Origin- Ranger Eller got the idea to work with ASU after the football team made headlines for defeating Michigan, reached out to Rec and Athletic Departments to find opportunities to work together, partnership snowballed from there.



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<https://www.youtube.com/watch?v=hICV-U9fsEo>





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Capstone Projects: National NRM Innovations Team and SW Oklahoma State University

21



- Established MOU in 2017.
- Innovations Team members present different innovations they need help with.
- IT students choose which Innovations they want to work on for the semester.
- Each University team works with a (4) person Innovations sub team for 16 weeks and presents/demos their project to USACE Innovations Team Members at end of semester.



First IT (Spring) Class in 2016



Augmented Reality Life Jackets



Tulsa District, SWOSU, & Team Leadership (2019)



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Senior Design Classes: National Innovations Team and University of Texas Arlington

22



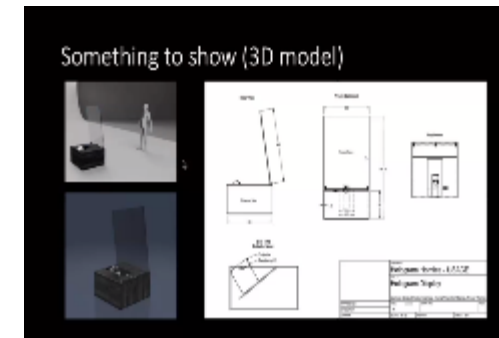
- Establishing MOU for 2022-2023
- Senior Design Classes are (2) Semester program: 1st Semester is planning, design, resourcing. 2nd Semester is building out the Innovation into a physical prototype/product.
- Small teams of Senior Design IT Students pair up with Innovations Sub teams and work together on challenging Innovations Prototypes and Products.
- Each group works together for an entire year. University funds first \$800 of R&D for the students.
- Currently working on: Augmented Reality Floor Projections, USACE Corps Catch, Park Ranger Holograms, VR/360 App, & Sign Translator Tool.



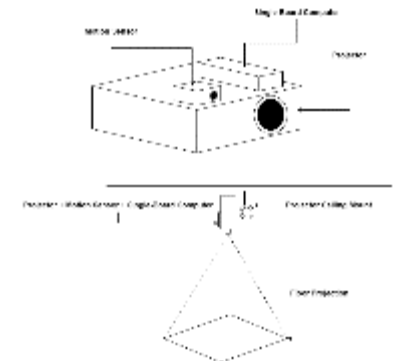
Innovations Team presenting to UTA Class



One of the Fabrication Labs at UTA



Preliminary UTA Designs for AR Floor Projections
and Park Ranger Holograms.





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NC State Eagle Cam

23



- A team of volunteer engineers, NCSU graduate students, faculty, and staff worked to make the project happen.
- Video cameras installed at an active nest in October and began monitoring the breeding pair just before female laid two eggs in early December.

B.E. Jordan Lake- SAW- North Carolina

Origin: Ranger Ferrell led an ornithology class to visit an active bald eagle nest, idea for the eagle cam came up in conversation with the professor.

NC STATE UNIVERSITY

Live Video - Bald Eagle Nest at Jordan Lake, NC

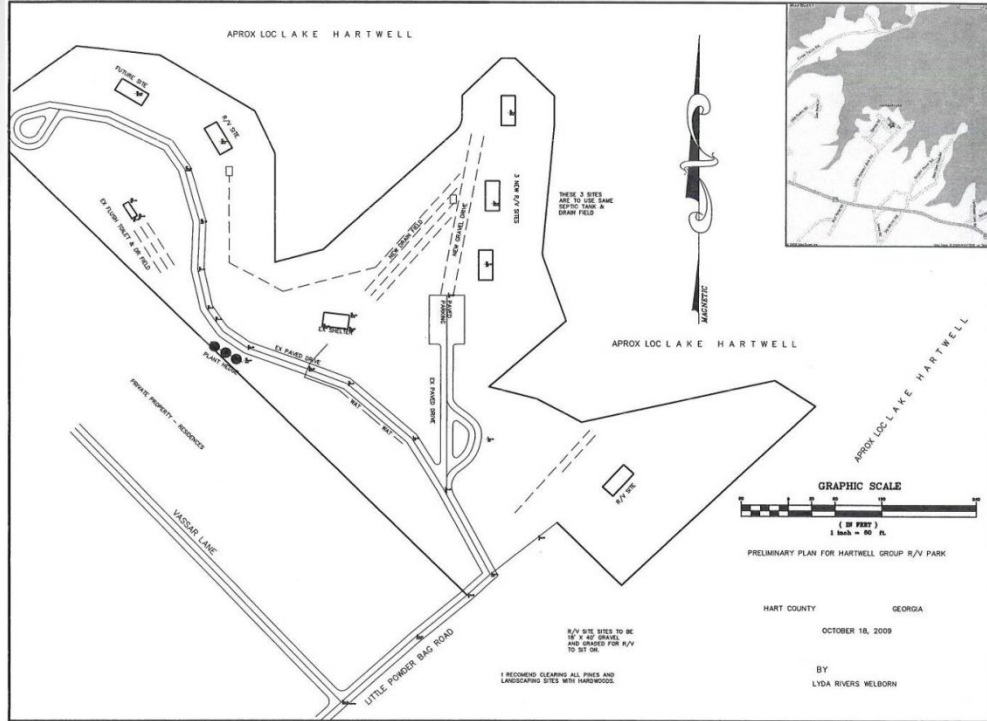


Nest is visible dawn to dusk Eastern Standard Time.



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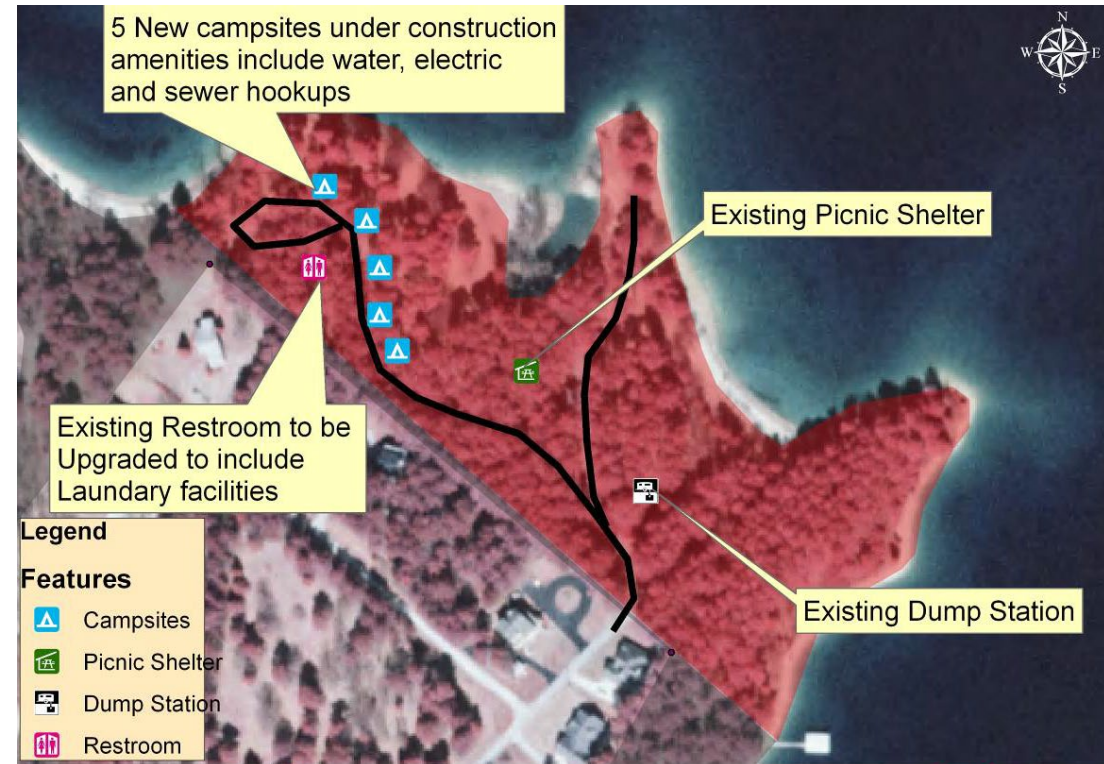
Clemson University Department Of Parks, Recreation, Tourism



- 2009 MOU with Clemson for facility planning, outreach, data collection, program development

Hartwell Lake- SAS- Georgia

- Student assignment to design a volunteer village
- Winning design implemented at Hartwell



0.00501 0.02 Miles



1 inch = 0.03 miles



Hartwell Lake Volunteer Village
Feb 5 2010



US Army Corps
of Engineers
Savannah District



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Finished
product!





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Southern Illinois University at Lake Shelbyville- MVS



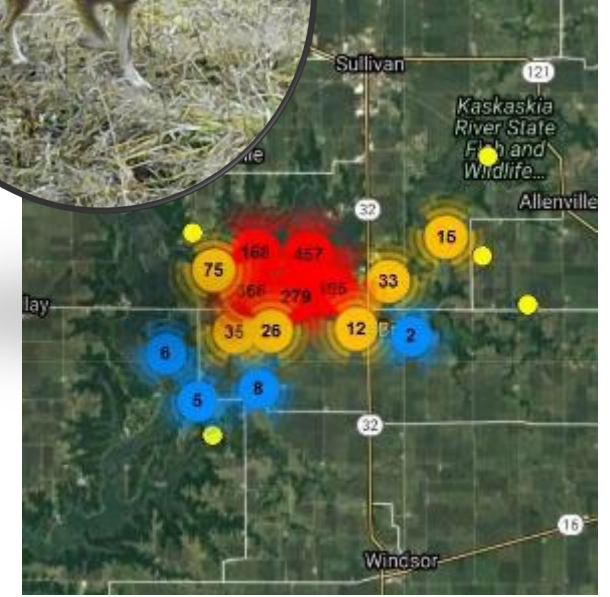
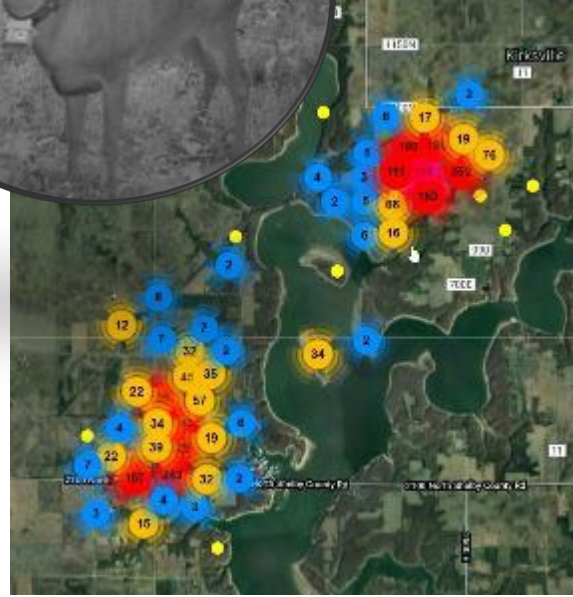
Study aimed at determining the effects of coyotes and bobcats on survival and behavior of white-tailed deer and determine how it varies between contiguous and fragmented landscapes.

- Young female bobcat GPS collared. Travelled approx. 65 miles from site of capture within first month.
- Buck tagged at 2.5 years old. Summered on east side of the lake and crossed the lake.
- Coyote shown to have a home range of approx. 20% of Lake Shelbyville.

Origin: This study spun off from a deer research project originally started in 2006.



Lake Shelbyville 11K AC





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Restoring Native Species at Allatoona

27



- Lake Allatoona has a 10-year plus relationship with Berry College.
- Ranger Terrell Stoves approached a professor at the college about a possible partnership to reintroduce the Mountain Longleaf Pine to Pine Mountain at the project.
- This success led to the expansion of the program 7 years later to include the project as a test site for the introduction of potentially blight resistant American Chestnuts.



- The Professor on the Longleaf Pine project also happened to be the state coordinator for the American Chestnut Foundation with whom the Corps has a National MOU.

Allatoona Lake- SAM- Georgia



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Trail Design at Mark Twain Lake

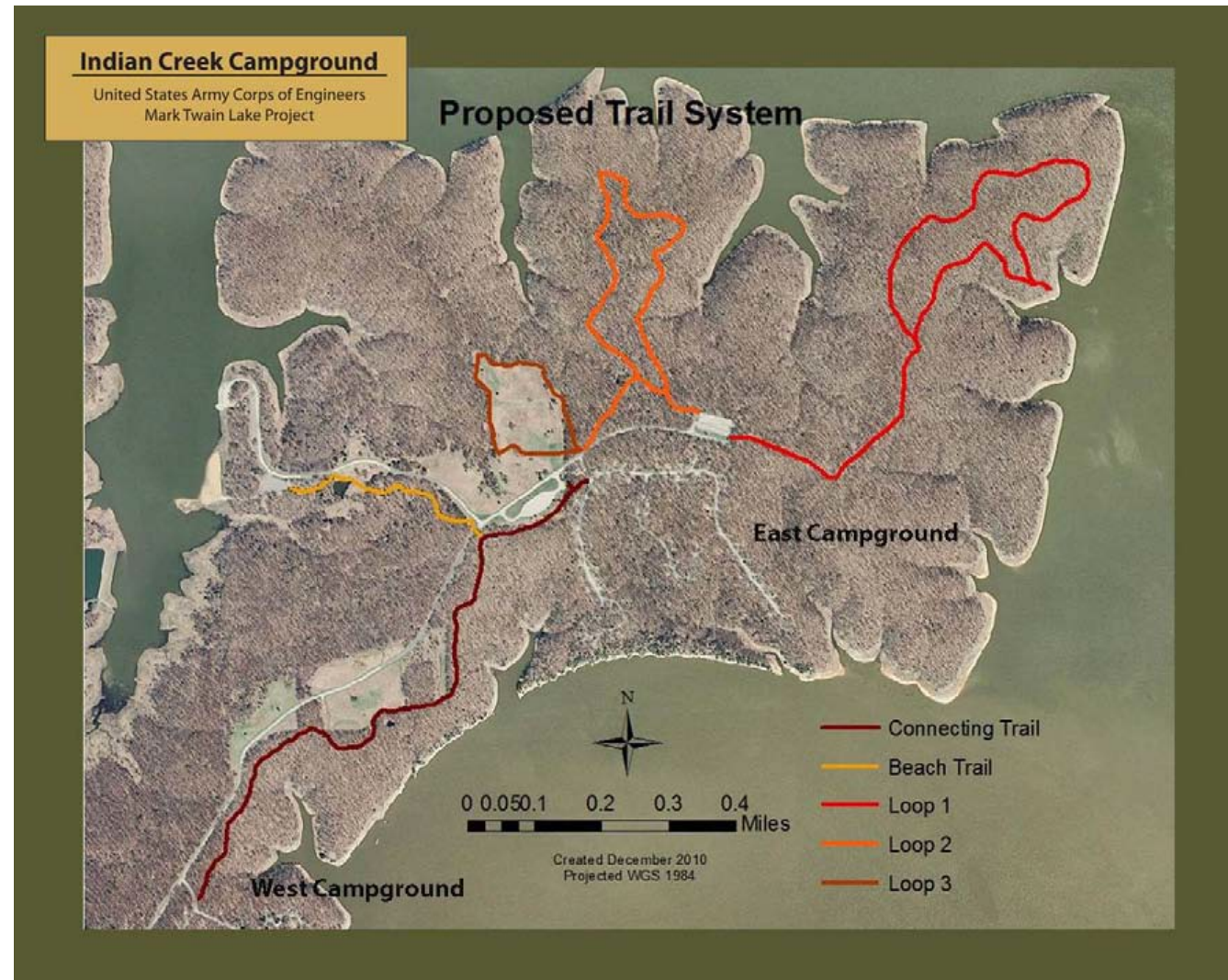
28



- MOU with Western Illinois University and the FOREST Council
- Worked with Open Space Park Planning/ Landscape Construction class on needs assessment and design of multi-use trail project
- FOREST Council applied for grant \$

Mark Twain Lake- MVS- Missouri

Origin: Several USACE NRM staff were WIU graduates and knew a professor that taught recreational trail design.



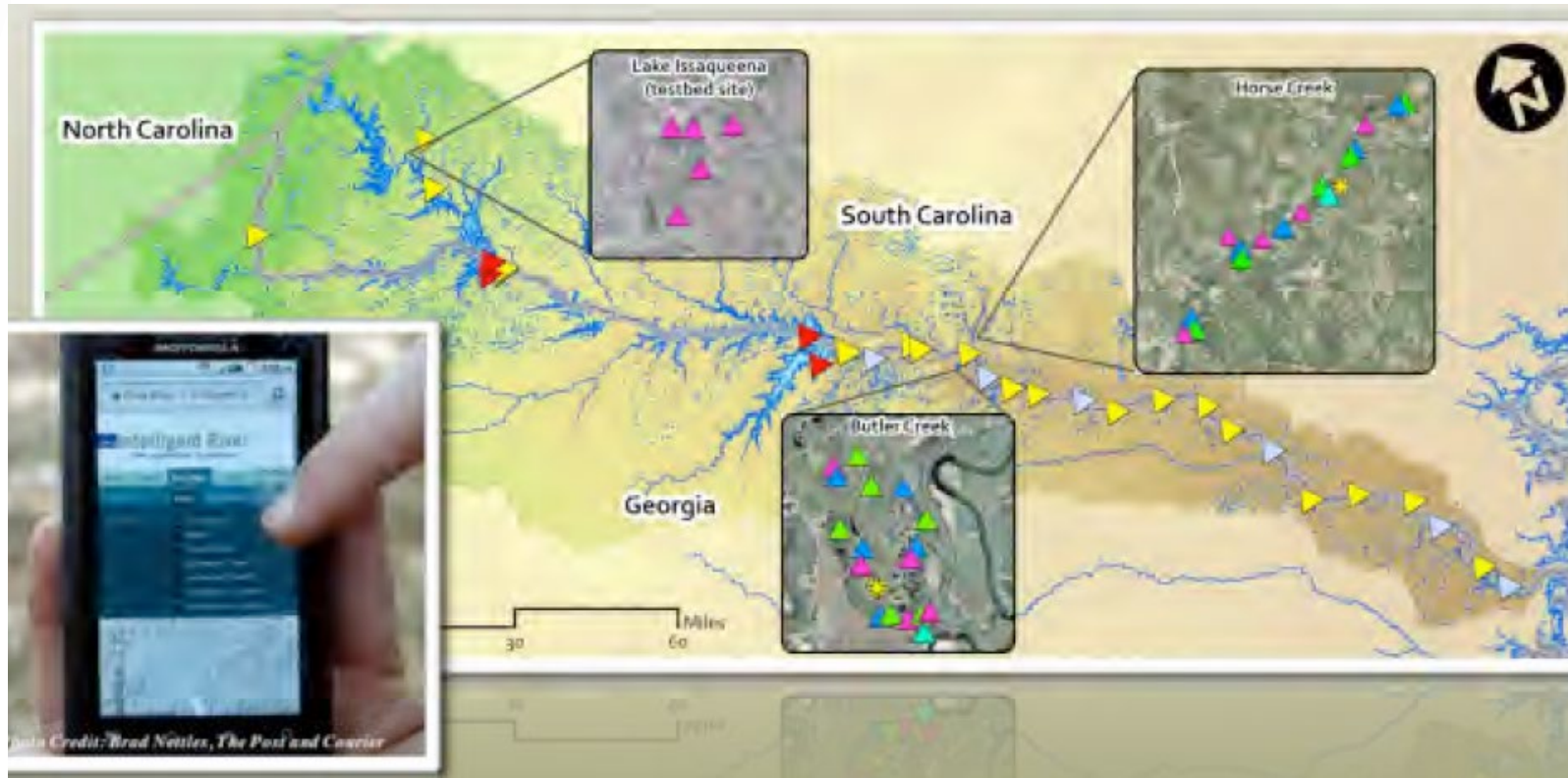


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Clemson Water Quality Monitoring

- Clemson University awarded \$3M by the National Science Foundation to design, develop and deploy a basin-wide network of computerized sensors that provide real-time remote data acquisition to monitor water quality along the entire length of the Savannah River.
- Partnered with the Corps to place sensors and share data.





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Boise State Kestrel Box Program

- Students at BSU build and install kestrel nest boxes, develop management plan, monitor populations, and band birds.



Lucky Peak Lake- NWK- Idaho

Origin: Project wanted to expand the ENS program, connected with experts at the World Center for Birds of Prey who advised that Lucky Peak would be great Kestrel habitat except there aren't any trees for cavity nesting birds. Connected with BSU who already had a Kestrel nest box program, and the partnership grew from there, including a partnership with New Roots organization that connects refugee and immigrant children to their new natural environment.



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Franklin Pierce Bat Studies at Edward MacDowell

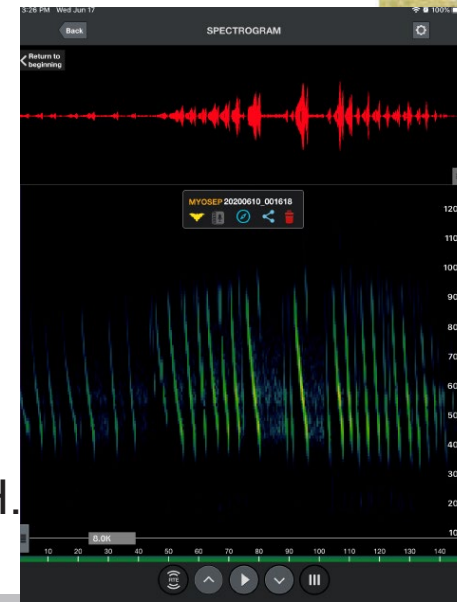
31



- Students conduct studies to determine bat species presence to establish a baseline data set
- Mist netting surveys in 2019
- Acoustic surveys in 2020-2021
- Seven of eight known bat species in NH documented
- Three of four state endangered bat species present
- Future studies hope to incorporate telemetry to document forest-ed areas used as roosting habitat by target species such as the northern long-eared bat.

Edward MacDowell Reservoir- NAE- New Hampshire

Origin: Univ. biologist approached USACE to form partnership because this project had the most diversity of bat species in NH.





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WHAT IS YOUR PROJECT DOING WITH EDUCATIONAL INSTITUTES?



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Water Safety Partnerships with National Organizations





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U.S. Coast Guard/ USCG Auxiliary

34



- National MOU
- Boating Safety Classes
- Boat Patrol
- Vessel Safety Checks
- Brochures for Distribution
- Assistance with Special Events
- Find a USCGA Flotilla near you at



www.cgaux.org/units.php

www.uscgboating.org

Boat U.S. Foundation

- National MOU
- Life Jacket Loaner Program
- Grassroots Grants
- Free Brochures
- On-line Boating Simulator and Games
- On-line Boater's Toolbox
- www.boatus.com/foundation





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Safe Kids USA

- National MOU
- Special Events
- Educational Tip Sheets
- Research Reports
- Find a Safe Kids Coalition near you www.safekids.org

2019 Ranger Trading Card Program

Our purpose is to increase water safety awareness among children and parents.



PROGRAM GUIDELINES

1. Park Rangers will distribute cards to children 15 years of age and under.
2. Children can obtain cards by answering questions and/or by demonstrating to the Park Ranger that he/she understands safe swimming and/or boating practices regarding water safety.
3. Cards must be brought to the Project Management Office to be redeemed for prizes.



Award items are available at:

Allatoona Lake Operations
Project Management Office
1138 GA Highway Spur 20
Cartersville, GA 30121
• For questions or office hours •
Call 678-721-6700.

A Special Thank You to Our Sponsors:



Allatoona Lake

*"Pick a card,
any card ...*



*... to help increase water
safety awareness."*



US Army Corps
of Engineers®
Mobile District

2019 Ranger Trading
Card Program

When redeeming cards for rewards, staff will initial the back of each card and indicate the award that was received.

Staff will return the initialed cards back to the child.

Previously initialed cards
Do Not Count towards another.



Award Schedule

5 cards:
Life Jacket



6 cards:
*"Wear It" water bottle
and Bobber Card Game*



7 cards:
*Beach Towel, Beach Buddy Matt,
"Keep Bartow Beautiful" T-shirt
"Great Lake Allatoona Cleanup" T-Shirt*

Buddy Beaver Card:
*Zoo Atlanta Ticket,
Tellus Museum Pass or
Booth Western Art
Museum Pass
(limited supply)*



Allatoona – Safe Kids Ranger
Trading Card Program



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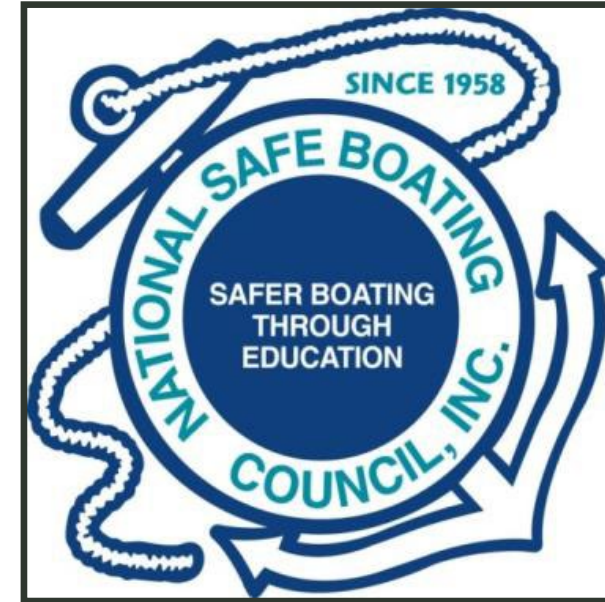
National Safe Boating Council

37



- Wear Your Life Jacket To Work Day
- Ready, Set, Wear It
- National Safe Boating Week
- Wear It Campaign
 - Free customized logos
 - Email: sidekicks@boatingsidekicks.com
- Free Resources
- Grassroots Grants
- Awards Program

www.safeboatingcouncil.org



Sea Tow Foundation

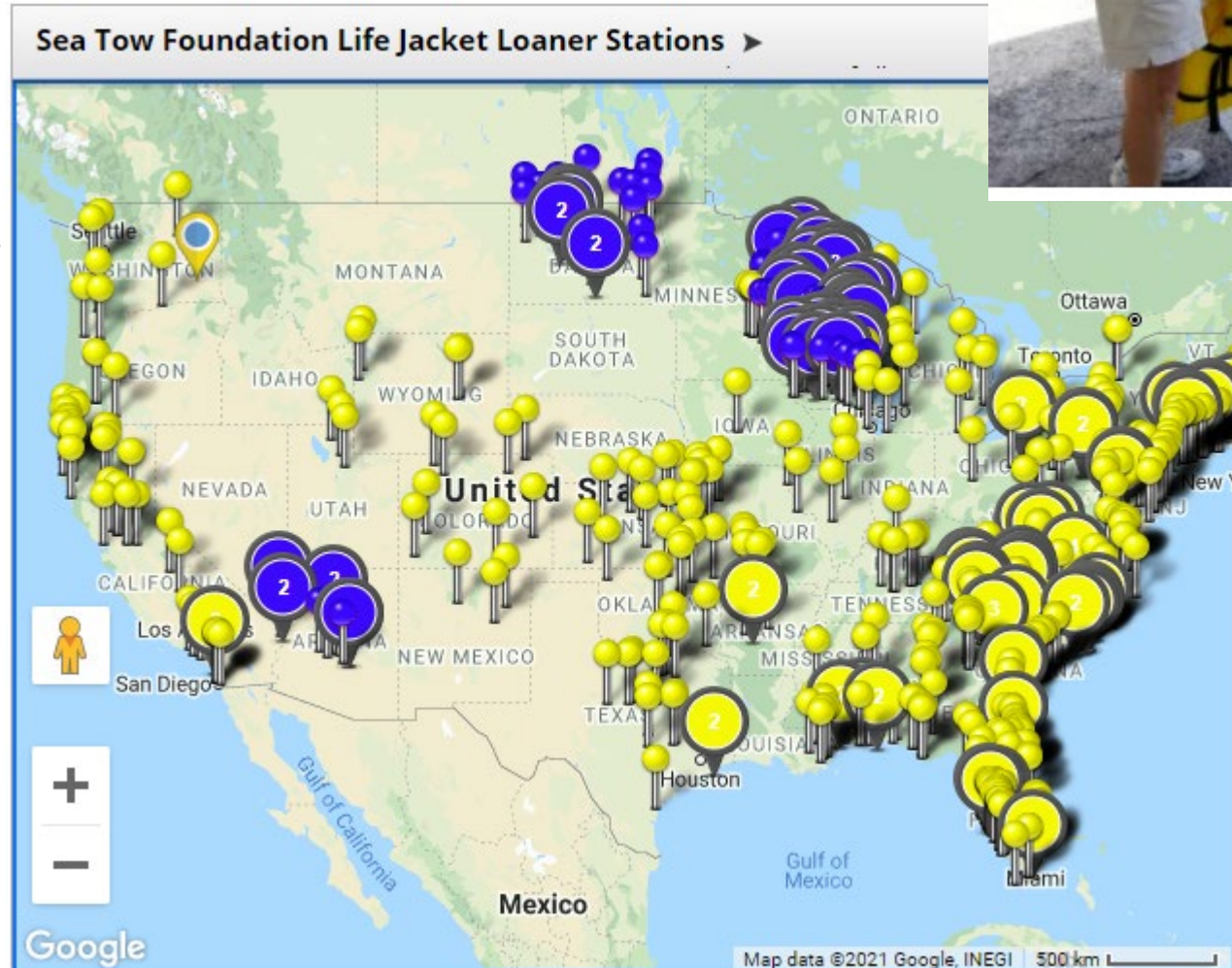
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- Boating safety and education
- Life Jacket Loaner Program
- Grants to non-profit partners
- Map of life jacket loaner stations
- On-line safety resources

<http://www.boatingsafety.com/>



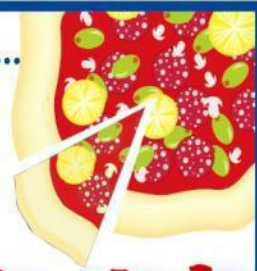
Sea Tow Foundation
for Boating Safety and Education





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Any way you slice it...
Make **SAFETY** a
"PIZZA" your life.



Buckle Up!

Life Jackets and Seat Belts

SAVE LIVES!



US Army Corps
of Engineers



FREE SMALL FROZEN COKE®



Please present coupon before ordering.
Limit one coupon per customer. Not to
be used with other coupons or offers.
Void where prohibited by law. Cash
value 1/100¢. State sales tax applicable.
Good at participating BURGER KING®
restaurants in:

MISSOURI: Cape Girardeau, Scott
City, Jackson, Sikeston, Miner,
Ferryville, Farmington, Desloge,
Poplar Bluff, Kennett, Dexter, Pevely,
Oakville, Peeries Park, Butler Hill,
Festus, Richardson Rd., Bowles Ave.
ILLINOIS: Carbondale, Marion,
Harrisburg, Anns, Waterloo
KENTUCKY: Paducah, Murray
ARKANSAS: Jonesboro, Paragould,
Pocahontas, Blytheville
TM & © 2012 Burger King Brands, Inc.
All rights reserved.

Restaurants



Hardee's & W. Kerr Scott Safety Award is presented to:

Name _____

On behalf of Hardee's of Wilkesboro this certificate
Entitles bearer to a **FREE**
Scoop of Vanilla Premium Ice Cream

Presented by Ranger: _____



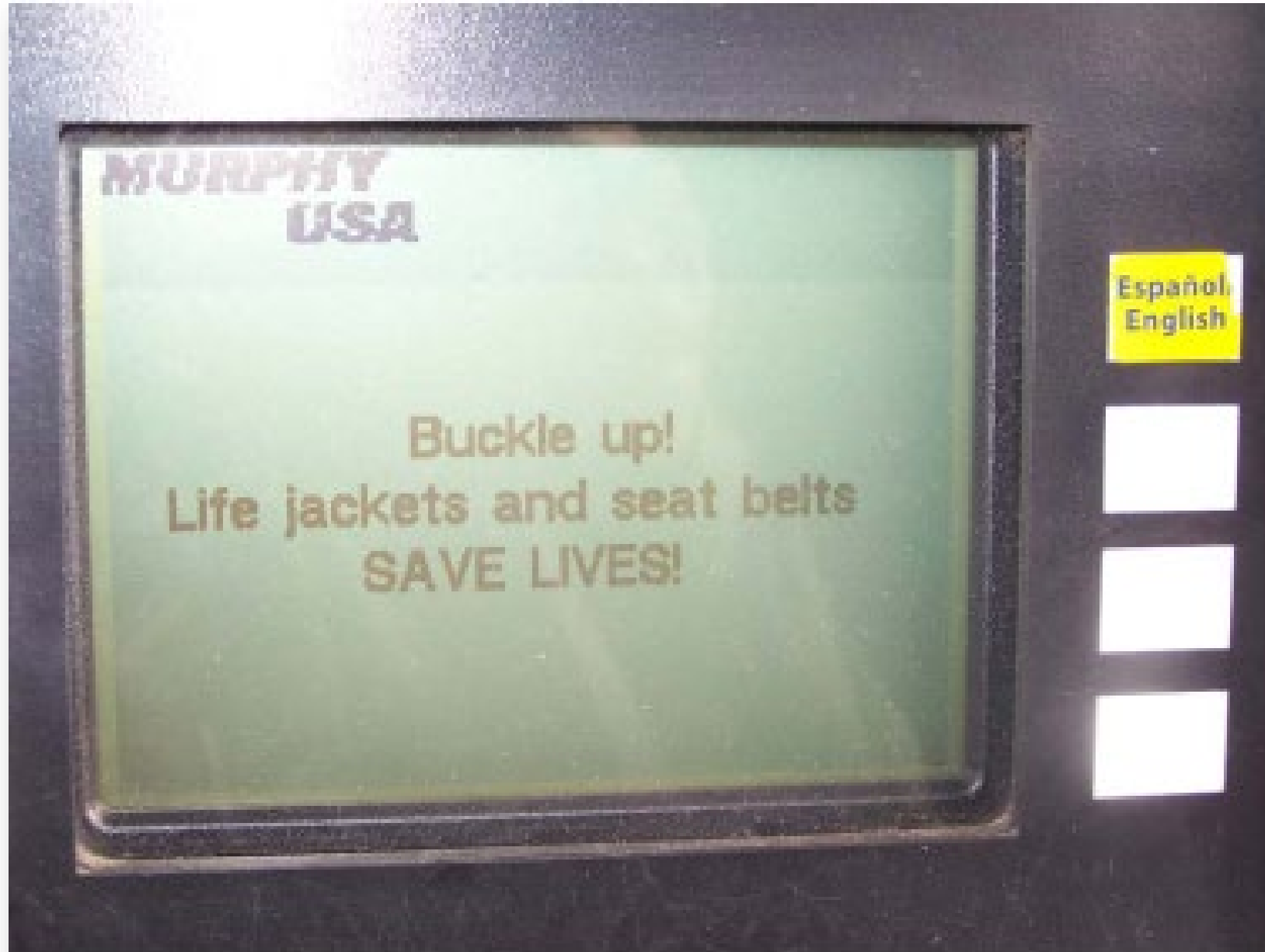
**FRIENDS OF
W. KERR SCOTT LAKE**

Coupon Expires December 31, 2009





Gas Stations





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Billboards



Floating Restroom Wraps





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Corporation Sponsored Videos

<https://vimeo.com/341869017/c41875483b>



Life Jacket Donation





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Business Marquees





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Sports Stadiums





NRM Gateway

Water Safety Partnerships

- Your one stop source for partnerships
- MOU/MOA examples
- Water Safety success stories
- All national partnerships
- Toolbox with tons of ideas

The screenshot shows the website interface for the Natural Resources Management Gateway. At the top left is the US Army Corps of Engineers logo. The main header reads "Natural Resources Management Gateway" with the tagline "to the future . . .". Below this is a green navigation bar with buttons for Home, Visitors, Lake Discovery, Recreation, Env Compliance, Env Stewardship, and Partners. A secondary row of buttons includes News/Events, People, Forums, Learning, GETS, Tools, New Postings, Submit, and Index/Search. The page title is "Water Safety Partnerships". The main content area features a paragraph explaining the program and a list of links: Water Safety Success Stories, Related Sites, Water Safety Toolbox Partnership Ideas, News/Current Issues, Water Safety Grants, and Water Safety Partnership Examples. A vertical sidebar on the left contains the text "Partnerships" and "Water Safety".

Any Other Water Safety Partnerships?

