

SPARTA GROUNDWATER COMMISSION

SPARTA FOUNDATION



LINDSAY GOUEDY
EDUCATION COORDINATOR

SPARTA WATERFEST

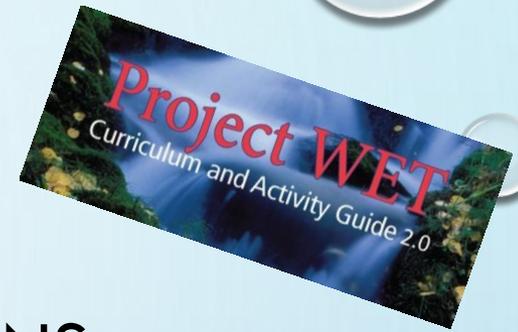
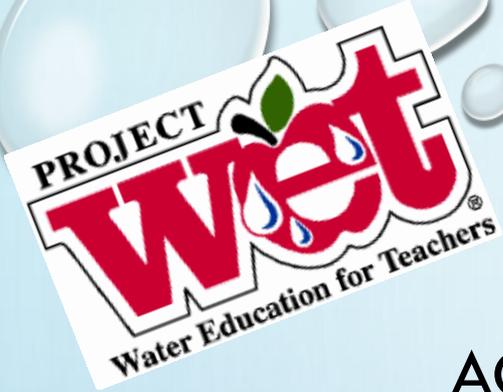
GOALS AND OBJECTIVES

THE LEARNER WILL EXPLAIN THE REASONS WHY CONSERVATION OF WATER IS NECESSARY AND TELL EFFECTIVE METHODS OF DOMESTIC CONSERVATION INCLUDING NEW TECHNOLOGY.

- i. THE LEARNER WILL PHYSICALLY DEMONSTRATE THE AMOUNT OF WATER USED DAILY BY AVERAGE AMERICANS THROUGH PARTICIPATION IN A WATER RELAY.
- ii. THE LEARNER WILL OBSERVE RIGHT OF CAPTURE LAW VS. EQUAL QUANTITY LAW
- iii. THE LEARNER WILL DISCOVER THE AVERAGE AMOUNT OF WATER USED IN THEIR HOME, POSSIBLE WAYS TO CONSERVE, AND BE INTRODUCED TO NEW HIGH EFFICIENCY APPLIANCES AND LOW FLOW APPARATUS THROUGH LECTURE AND DEMONSTRATION.

THE LEARNER WILL DEMONSTRATE AND ADVANCED KNOWLEDGE OF THE WATER SCIENCE OF THE SPARTA AQUIFER INCLUDING BIOLOGICAL COMPOSITION, REGIONAL ENVIRONMENTAL WATER ISSUES AND GEOLOGICAL MAKE-UP.

- i. THE LEARNER WILL DISCOVER WHAT LIVING ORGANISMS RESIDE IN POTABLE WATER THRU THE USE OF MICROSCOPES.
- ii. THROUGH USGS DATA, THE LEARNER WILL OBTAIN SCIENTIFICALLY PROVEN FACTS ABOUT THE DEPLETION OF THE SPARTA AQUIFER, AREAS AFFECTED, AND GEOLOGICAL MAKE-UP DEMONSTRATED THROUGH AN INTERACTIVE GROUNDWATER MODEL.
- iii. THROUGH INTERACTIVE ROLE PLAY, THE LEARNER WILL EXPERIENCE THE MOVEMENT OF WATER THROUGH A COMMUNITY SEWER SYSTEM; OBSERVE HOW POLLUTANTS ENTER THE SYSTEM, EFFECTIVENESS AND INEFFICIENCIES OF FILTRATION SYSTEMS AND EVENTUAL DEPOSIT INTO REGIONAL SURFACE WATER.



SPARTA WATERFEST ACTIVITIES AND CORRELATIONS

The students will learn a number of fun water lessons throughout the day.

1. How much do we use? – This activity demonstrates where in the home water is used and how much, how to reduce that use.
(ELA-4-M4): Demonstrate active listening strategies (e.g., asking focused questions, responding to questions, making visual contact)
2. Ground Water Model – This activity demonstrates what an aquifer is and how it works.
(SI-M-B2): Recognize that investigations generally begin with a review of the work of others
3. It's Alive – This activity is science lessons where the students learn about all the little critters in their water.
(ESS-M-B3): Estimate the range of time over which natural events occur (e.g., lightning in seconds, mountain formation over millions of years
(SI-M-B1): Compare and critique scientific investigations
4. The Long Haul – This activity from the Project Wet water curriculum guide is a hand on relay race where students physically have to fill up a large trash barrel from a surface water source. This activity is a blast from the past for students to see how their grandparents had to get water into their homes.
(SI-M-B7): Identify areas in which technology has changed human lives (e.g., transportation communication, geographic information systems, DNA fingerprinting)
5. Pass the Jug – This activity is a social studies lesson on water law. Right of capture, first come first serve, or an equal amount rule for water use.
(SE-M-A2): Determine the ability of an ecosystem to support a population (carrying capacity) by identifying the resources needed by that population
(ELA-4-M6): Participate in group and panel discussions
6. Amazing Water - This activity demonstrates how actions in the home and yard affect water quality.
(SE-M-A3): Identify and give examples of pollutants found in water, air, and soil
(SE-MA4): Describe the consequences of several types of human activities on local ecosystem (e.g., polluting streams, regulating hunting, introducing nonnative species)

SPARTA WATERFEST PARTICIPATING GROUPS

LINCOLN PARISH

UNION PARISH

BIENVILLE PARISH

WEBSTER PARISH

FIFTH GRADERS FROM ALL THE SCHOOLS IN THE ABOVE PARISHES PARTICIPATE IN A FULL DAY OF INTERACTIVE HYDROLOGY LESSONS. IN THE PAST FOUR YEARS WE HAVE COORDINATED 12 EVENTS REACHING OVER 6,000 STUDENTS.

SPARTA WATERFEST

SUPPORTING AGENCIES

LOUISIANA AG AND FORESTRY

LA DEQ

LSU AG EXTENSION

CAPITAL WATER DISTRICT

D'ARBONNE WATERSHED

SCITEC LATECH

LINCOLN PARISH POLICE JURY

RUSTON'S LOCKER ROOM

USGS

USDA

LA RURAL WATER ASSOCIATION

TRAILBLAZERS

US FOREST SERVICE

NRCS

LOUISIANA STATE PARKS

SPARTA WATERFEST

EVENT EXPENSES

EXPENSES

- OVERNIGHT ACCOMMODATIONS FOR TRAVELING PRESENTERS
 - MEALS FOR PRESENTERS
- EVENT T-SHIRTS FOR ALL PARTICIPANTS
 - SIGNAGE

EACH EVENT COST APPROXIMATELY \$5000

IN-KIND CONTRIBUTION

- BUS TRANSPORTATION
- STUDENT AND TEACHER LUNCHES

CONTRIBUTIONS VALUED AT \$1500

SPARTA WATERFEST



Sparta Shoot 2014



SPARTA SHOOT: SPORTING CLAYS COMPETITION

TITLE SPONSOR **\$2,500**

TWO SPORTING TEAMS AND COMPANY LOGO ON ALL EVENT PARAPHERNALIA

CO-SPONSOR **\$1,000**

ONE SPORTING TEAM AND COMPANY LOGO ON EVENT T-SHIRTS AND SIGNAGE

STATION SPONSOR **\$250**

COMPANY LOGO DISPLAYED AT ONE STATION DURING THE EVENT

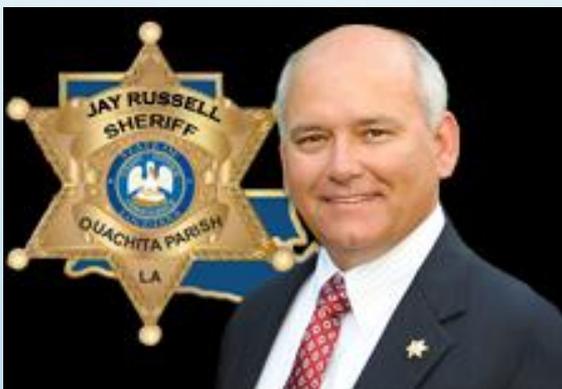
LUNCH SPONSOR **\$750**

COMPANY LOGO DISPLAYED AT LUNCH SITE

DOOR PRIZE AND RAFFLE DONATIONS

VERBAL RECOGNITION DURING EVENT AND ACKNOWLEDGEMENT IN THE NEWSPAPER

SPARTA SHOOT: SPORTING CLAYS COMPETITION



OUACHITA PARISH SHERIFF JAY RUSSELL DONATES THE OUACHITA PARISH SHOOTING RANGE AND CLAYS FOR OUR EVENTS.

SPARTA SHOOT: SPORTING CLAYS COMPETITION

EVENT EXPENSES

PLAQUES/AWARDS

INSURANCE FOR EVENT

CLAY THROWERS AND SET UP

LUNCH

T-SHIRTS

EVENT MISCELLANEOUS SUPPLIES

SPARTA SHOOT: SPORTING CLAYS COMPETITION



SPARTA WEBSITE

The screenshot shows a web browser window with the URL www.spartaaquifer.com. The browser's address bar and tabs are visible at the top. The website header features a green navigation bar with the following links: ABOUT US, AQUIFER INFO, NEWS, EVENTS, PHOTOS, VIDEOS, DOCUMENTS, and CONTACT US. The main content area has a blue and white water splash background. On the left, the text reads "LOUISIANA SPARTA Ground Water Commission". On the right, there is a "CONNECT" section with icons for Facebook, email, and RSS, and a green "DONATE" button. Below the navigation bar, a large dark blue box contains the text "60 MILLION GALLONS OF WATER" in large white letters, followed by "are used daily across the Sparta Region in North Louisiana" in smaller white text. To the right of this text are three blue water jugs. Below this box, the mission statement "OUR MISSION = CONSERVE. PROTECT. RESTORE. MAINTAIN." is displayed in green and blue text. At the bottom, there are three columns: "LATEST NEWS" with links to "May 2014 Newsletter", "3rd Annual Sparta Shoot Sporting Clays Competition", and "Welcome to Our New Website"; "UPCOMING EVENTS" with links to "Bienville Parish WaterFest" (Oct 02, 2014), "Lincoln Parish WaterFest" (Oct 09, 2014), and "Lincoln Parish WaterFest"; and "FOUNDATION" with the logo for "THE SPARTA FOUNDATION" and the tagline "A CHARITY DEDICATED TO THE PRESERVATION OF THE SPARTA AQUIFER" followed by "CONSERVATION • EDUCATION • PRESERVATION • RECOVERY".

Donnie Bell Designs Inc.



PUBLIC SERVICE ANNOUNCEMENTS

TELEVISION COMMERCIALS

NEWSPAPER ADVERTISEMENTS

MOVIE THEATER ADVERTISEMENTS

WE HAVE RECEIVED OVER \$500,000 IN MEDIA PSAS SINCE 2005....

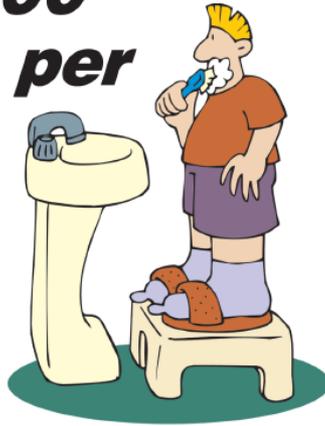


PUBLIC SERVICE ANNOUNCEMENTS

**We could save
1,500,000
gallons per
day!**

If everyone that used the Sparta aquifer simply turned the water off while they brushed their teeth, we could save 1.5 million gallons of water per day!

An open tap releases 3 gallons of water per minute. Before brushing, wet your brush, and fill a tumbler to rinse your mouth.



**Be
SPARTA
SMART**

Make Every Drop Count!

**Conserving water doesn't
require a major change
in lifestyle. It's mostly
a matter of using good
common sense!**

A Public Service Announcement from this newspaper.

The declining Sparta Aquifer is the main water source for domestic and industrial users in north Louisiana.

**Leaving your
favorite
bath toy
high and dry?**



When you keep tub baths to a minimum and take showers you're conserving water. Make sure you have a water-saving shower head and keep showers short. Savings: Up to 75% per shower.

Turn off the water while brushing your teeth. An open tap releases 3 gallons of water per minute. Before brushing, wet your brush, and fill a tumbler to rinse your mouth. Savings: 3 gallons per minute.

Turn off the water while shaving. Fill a small container or the bottom of the sink with a few inches of water to rinse your razor. Savings: 3 gallons per minute.

Make every flush count. The toilet is the biggest water user in the house, taking up to 5 gallons of water with every flush. Don't use the toilet as an ashtray or wastebasket. Savings: 3.5 to 5 gallons per flush.

**Be
SPARTA
SMART**

Make Every Drop Count!

A Public Service Announcement from this newspaper.

The declining Sparta Aquifer is the main water source for domestic and industrial users in north Louisiana.

UPCOMING EVENTS

UNION/BIENVILLE PARISH WATERFEST...

OCTOBER 2 AND 3, 2014

LINCOLN PARISH WATERFEST...

OCTOBER 9 AND 10, 2014

4TH ANNUAL SPARTA SHOOT...

JUNE 6, 2015

ENDING THOUGHTS

DAILY WATER USAGE 2000... **68.28 MGD**

DAILY WATER USAGE 2005... **67.98 MGD**

DAILY WATER USAGE 2010... **63.11 MGD**

DAILY WATER USAGE 2012... **56.85 MGD**

2000-2012 16.7% OVERALL DAILY USAGE DECLINE

[HTTP://LA.WATER.USGS.GOV/PUBLICATIONS/PDFS/WATERUSE_\(YR\)_.PDF](http://LA.WATER.USGS.GOV/PUBLICATIONS/PDFS/WATERUSE_(YR)_.PDF)



OTHER CONSERVATION EFFORTS IN THE
SPARTA REGION...

THE LINCOLN UNION INITIATIVE

MR. TED MCKINNEY

