How to Protect Shorelines on \$25, or less, Per Day

 \blacksquare

Tom Ryan Lake Sara Forever Foundation

Mow Can You Start a Project Without \$\$?

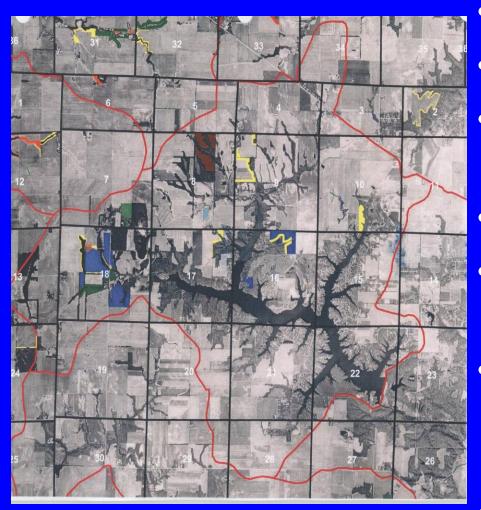


Since Erosion Control Committee Creation during June, 2007:

- 3,900 of Transitional Wetland Breakwaters Constructed
- \$306,000 Construction Expenditures

 Less than \$1,000 spent on admin, research, design, & project management

Lake Sara - Effingham, IL



- 536 Acres
- 7,700 Acre Watershed
- Part of Upper Little Wabash Watershed
- On Impaired Waters List
- Governed by Effingham Water Authority
- 3 Board Members, 1 Superintendent & 1 Full time employee
- Approx. 450 Residences

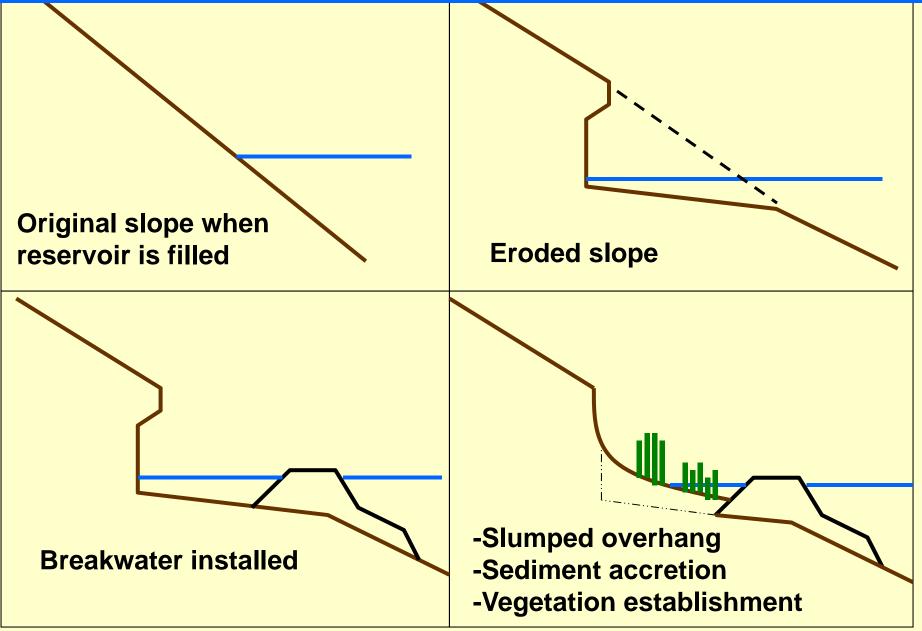
Over 5 Miles of Unprotected Public Shoreline

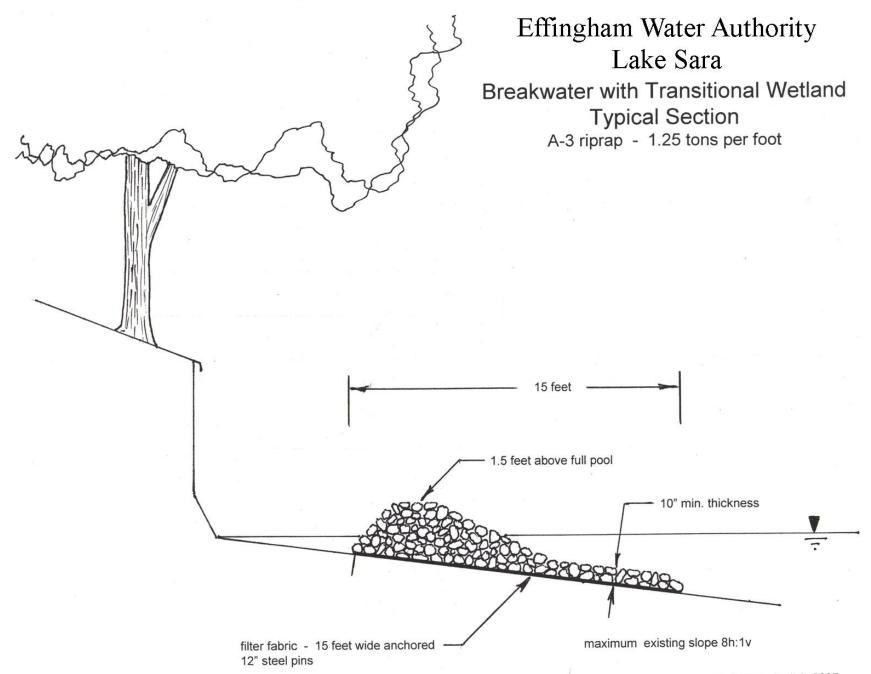
Bluffs Erode an Avg. 10"/Year

High Waters of 2009 Cut Some Bluffs 2 –3 feet

Land and the second states



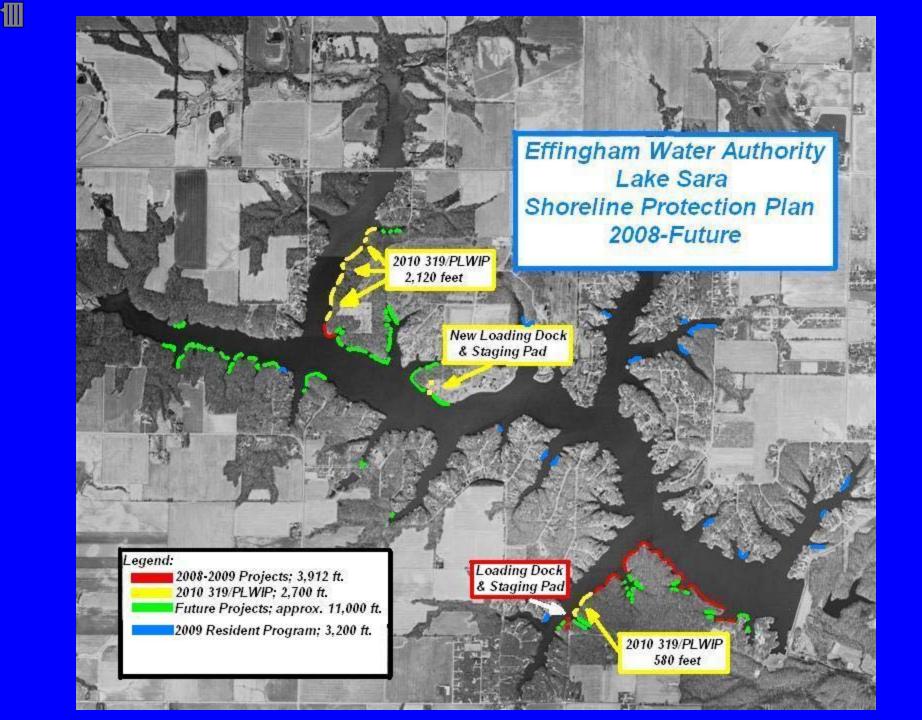


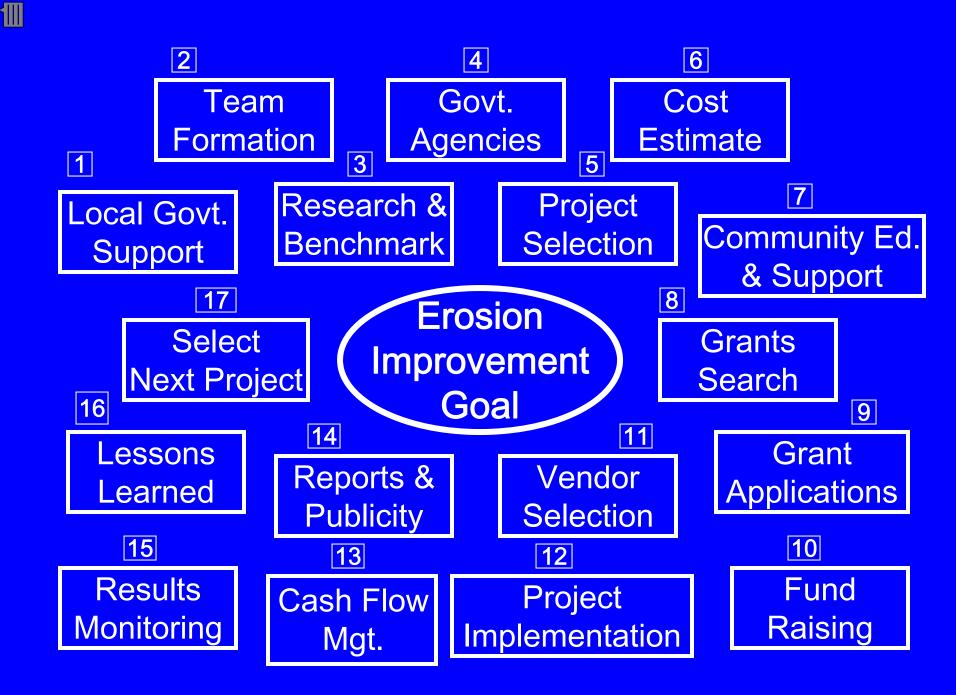




Gypsy Point

{|||





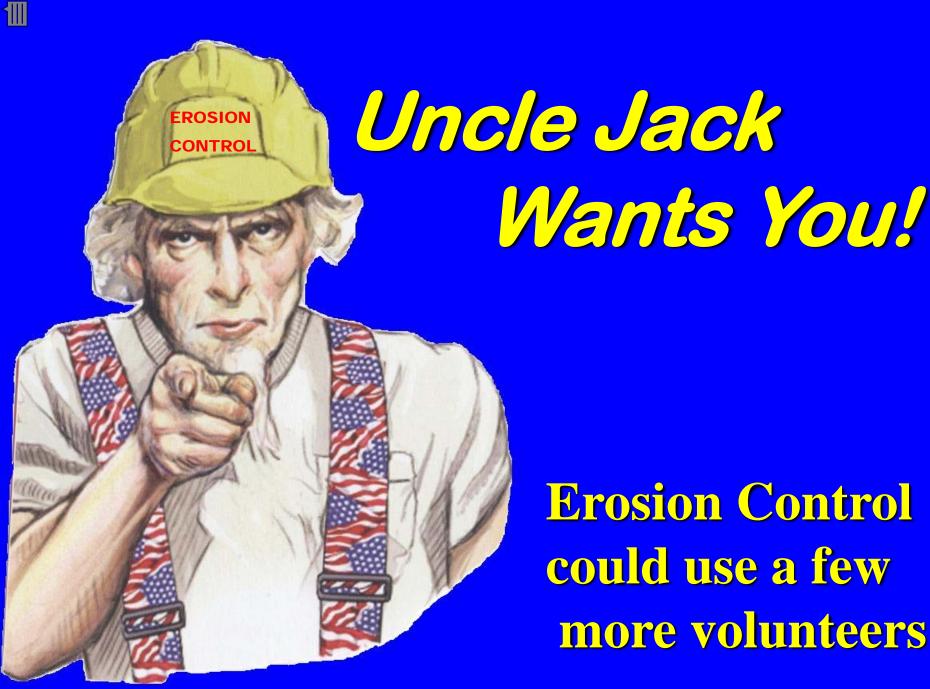
This Presentation's Focus

 Minimizing Project Development Expense Team Formation & Recruitment Zero Cost Benchmarking & BMP Research Project Engineering on the Cheap How to Get the Real Money to Execute a Project

Team Formation

Lake Residents have great skill sets

- Network or use news article to recruit
- Someone with a copy machine & presentation equipment is VERY useful
- PowerPoint skills come in handy
- A Licensed Professional Engineer saves bucks on sign-offs
- Stay focused & watch out for hidden agendas
- Most important... find people with time available.



Erosion Control could use a few more volunteers "Sounds interesting how much do you volunteers get paid?"

Zero Cost Benchmarking & BMP Research

- Google Lots... see <u>www.lakesaraforever.org</u> for some of our favorite sites
- Contact Universities... SIU Lake Kinkaid research transferred directly to our lake
- Consult with government agencies... IEPA, SWCD, NRCS, ACOE very supportive
- Pick Vendors' brains... Lake Rip Rap, Inc. really assisted development



Don't be afraid to "cold call"

 Even if someone can't help get a referral to someone who can

 Meet people face-to-face (eyeballs are important)

If you only phone or e-mail, you're just a bunch of electrons, not a human being

Designing on the Cheap "It's rock, not rocket, science"





Engineering Surveying Tools Less Than \$100

Pole & Protractor Measure Height & Slopes

Use Pencil to Measure > 10ft.

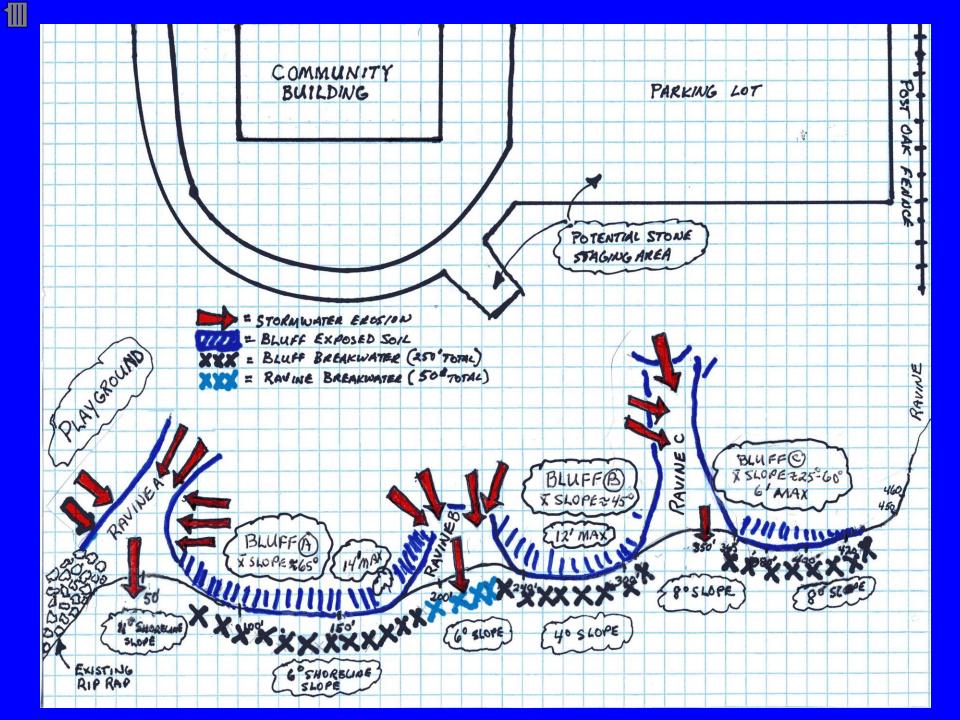
Swinging Protractor

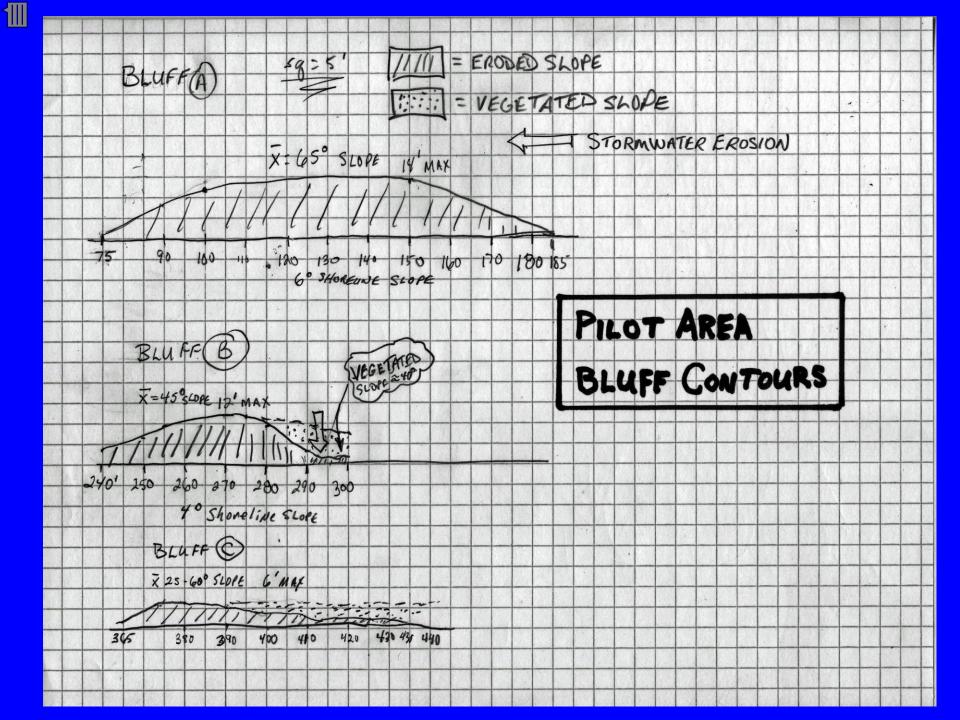
Use 2 Measuring Sticks to Determine Shoreline Slope

25=

Surveying Breakwater Position

Rebar Stakes





Illinois Volunteer Lake Monitoring Program Loans Instruments

╢

Obtaining Funds

 \blacksquare

- If you didn't have to chase money it would all be fun and easy
- The real work starts here

Working with Government Agencies •Meet people face-to-face

Eyeballs again

 \blacksquare

Present a business case to demonstrate, need, capability, & community support

Sell, but listen for advice

Determine how your project can support the agency's (or individuals) objectives

Get the key people on the water, give tours

Favorite Government Snack



If You've Written a Term Paper, You Can Write A Grant Application

The Application Process

 Meet with the Grantor to determine best way to complete application & "hot button" issues

 Cite all the research that has been done on the lake...303(d) Impaired Waters, TMDL, Bathymetry, Watershed Plan, etc.

 Stress use of "Best Management Practices"

The Application Process

Show that project is integral to SWCD
Watershed Plan

- •Stress community support, involvement, & outreach programs
- Double check that every issue mentioned by the Agency or application instructions is addressed

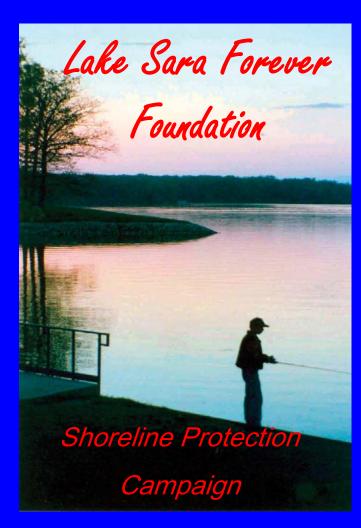
Security Cam of Tom Delivering 319 Grant to IEPA

Obtaining Matching Funds

- •State Grants can match Federal (& viseversa)...e.g PWLIP for 319 Grant
- Private Foundation Grants

- •EWA Increased Boat Sticker Fee
- In-kind Services Only count after contract signed. Wage rates: <u>www.bls.gov/bls/blswage.htm</u>
- Community Donations: Established Lake Sara Forever Foundation within Effingham County Community Foundation

The Effingham County Community Foundation Handles All Our Accounting & Tax Work



 \blacksquare

ffingham Community Foundation

www.lakesaraforever.org

www.effinghamfoundation.org

Cottage Owners Are Passionate about Their Lake Phone Solicited Top Potential Donors Mailer, with Brochure, to All Residents Newspaper Article about Fund Drive •Within Three Months: \$40,000 Cash Contributions \$150,000 Pledged over next 5 years



