

Research On Stream Crossings May Be Bridge To Better Forestry

UNIVERSITY PARK (Centre Co.) — Conventional wisdom might suggest that placing a portable bridge over a stream or installing a culvert in a creek might have significant impacts on stream ecology, but a study at Penn State has found that correctly built stream crossings have little short- or long-term effect on streams and wetlands.

According to David DeWalle, professor of forest hydrology in the College of Agricultural Sciences' School of Forest Resources, portable bridges caused less stream sedimentation than culverts during installation, but during actual use there were no important differences between the two types of crossings.

Loggers often encounter streams when building roads or skid-trails. Streams are obstacles that must be crossed to get logs from the cutting site to a landing area, where they are loaded onto trucks and transported to lumber mills. In Pennsylvania, De Walle said loggers are required to get a permit to cross streams, which means they have to install a culvert or build a bridge. Culverts — large pipes covered by clean rock fill — are most common.

Historically, culverts have made good crossings. A previous Penn State study examined 70 crossing sites that had not been in use for at least two years and found few detectable long-term impacts.

"We never really saw any erosion," DeWalle said. "After at least two years, channel stability, stream bank stability, species diversity and abundance of vegetation remained the same above and below the crossings."

The researchers, funded by the National Council of the Pulp and Paper Industry for Air and Stream Improvement, then built test crossings in Penn State's Stone Valley Experimental Forest in Huntingdon and on land owned by Glatfelter Pulp Wood Company in Fulton County to study the potential short-term impacts on water quality. Building test culverts caused significant sediment increases in the stream, but water quality returned to normal after periods ranging from several hours to four days.

"The short-term installation impacts are negligible at low stream flows," DeWalle said. "After construction, it was hard to find any effects caused by the installation.

We subsequently took readings at high-flow periods and there was only minor degradation.

"The use of local soil and rock as fill is not recommended," DeWalle said. "Clean gravel or shale, which can be difficult to haul to a stream crossing, should be used."

The portable bridge tested by the researchers had less environmental impact during installation than a typical culvert. The bridge, which weighs from 7 to 24 tons depending on its size, can be haul-

ed to the crossing by tractor and be installed in a few hours. The bridge model tested folded in half lengthwise, had guardrails to keep logs from slipping off and could be hauled by a standard logging truck.

"Any changes to the stream caused by installation of the portable bridge disappeared within 24 hours," DeWalle said. "The portable bridge caused less disturbance since its installation doesn't require digging in the channel. In

addition, the bridge can be used over and over again."

Openings in the bridge decking did allow organic debris and mud to fall into the stream during use, but such impacts had little significant effect on stream ecology.

"Using a portable bridge is probably good business for the logger because it saves on equipment, it's re-usable, and it's better for the environment in the long run," DeWalle said.

Association To Conduct Beef Quality Assurance Program

KENNETT SQUARE (Chester Co.)—The public is demanding a safe food supply. It is our responsibility to provide it to them. Consumer confidence in our beef product is one of the most valuable assets for a beef producer. By proper management at all levels of production, we can gain the trust of consumers and enhance and expand on those assets.

To assist local beef producers, the Southeast Regional Cattlemen's Association is conducting a Beef Quality Assurance educational program, with the opportunity for producers to become certified.

On Thursday, March 23 at 7 p.m. at New Bolton Center Kennett Square, Chet Hughes, Lancaster County extension agent, is

going to present the classroom portion of the program. Hughes will discuss beef quality issues such as food safety, proper vaccine handling and administration, as well as proper animal restraint and handling.

The classroom portion will be followed by a hands-on practice session on Saturday, March 25 at Herr Angus Farm Nottingham. The hands-on will cement what is

learned in the classroom. Both portions must be attended if you wish to receive certification.

Anyone involved in any portion of the beef industry is welcome. Reservations will be needed for the Saturday, March 25 hands-on portion. For information or reservation, contact Bobbi McMullen, Secretary, Southeast Regional Cattlemen's Association, (717) 548-3282.

PUBLIC AUCTION OF VALUABLE HOUSEHOLD GOODS, ANTIQUES, COINS, QUALITY COLLECTABLES, 1937 CHEVROLET SEDAN, INTERNATIONAL 240 TRACTOR, 19' LOWBOY TRAILER, 175 CC YAMAHA DIRTBIKE, TOOLS, ETC. TUES., MAR. 28, 1995 - 3:30 P.M.

at Nescopeck Township Fire Hall, along Rt. 93 (Berwick-Hazleton Highway) Briggsville, Nescopeck R.R. 1, Luzerne County

COMPLETE LINE OF HOUSEHOLD GOODS; LARGE QUANTITY OF QUALITY COLLECTABLES including toys; more than 100 U.S. military and Boy Scout patches & related items
SPORTS COLLECTABLES: Autographed Team Baseball, New York Yankees (Mickey Mantle, Casey Stengel, etc.); approx. 25 Baseball Yearbooks from 1950's & 1960's; and many other valuable collectables.

ANTIQUES: Numerous pieces of furniture, glassware and other items.

VEHICLES & MISCELLANEOUS: 1937 Chevrolet, 4 Door Sedan, running condition; International 240 Tractor; 19' Tandem-Axle Lowboy Trailer; 1983 Yamaha IT 175 Dirtbike, very good condition; 5 HP Vanderbilt Rototiller and much more.

COINS: Large coin collection including many Silver Dollars from 1878 to 1926 including 1879CC (some are uncirculated); 1854 \$1 Gold Piece w/whole; Walking Liberty; Franklin, Barber, Cap Liberty, Columbian & Kennedy Half Dollars; Washington, Standing Liberty, Barber and Seated Liberty Quarters; Roosevelt, Barber, Seated, Bust & Mercury Dimes; Buffalo & V Nickels; Half Dime, 2¢, 3¢ & 1/2¢ Pieces; several rolls of Buffalo Nickels; several Coin & Mint Sets; 1909 VDB Penny; Indian Head Pennies; Large Cents and much, much more in the line of quality coins.

This merchandise is from several local estates.

Terms: Cash or good check, no out-of state checks accepted. Inspection 12 Noon until time of sale.

Lunch will be served by the Ladies Auxiliary of the Nescopeck Township Fire Co.

AUCTIONEERS
Albert L. Broyan,
AU-000-105-L, (717) 379-3286
Edward L. Michael,
AU-000-602-L, (717) 759-9591
Nescopeck, Pennsylvania

PUBLIC AUCTION

OF HOUSEHOLD GOODS, ANTIQUES & 16.8 ACRES

Woodland Sold At 11:00 A.M. At Same Location

SAT., APRIL 1, 1995
Sale At 9:00 A.M.

Location — 500' South of Rt. 741, 1/10 mile W. of Smyrna Road, 8 miles east of Strasburg, 1 1/4 miles west of Gap in Salisbury Twp.
For inspection of woodland 442-8758.
10% down day of sale, balance on or before June 3, 1995.

Terms by

David & Esther Clark

H. Charles Bengler, Atty.
Aucts. Robert E. & Jeffrey R. Martin, 656-7770
AU000580L
Randall L. Ranck
Michael L. Martin, App.

No Out of State Checks
Lunch Available

Come One Come All

Hummelstown Fire House
Spring Toy Show
249 E. Main Street Hummelstown, PA
Antiques, Toys, Trains
Farm Toys, Ertl, Matchbox,
Smith-Miller, Winross & More
OVER 100 TABLES ON THREE FLOORS
For Sale - 1940 Ford Sedan Bank

Red In Color w/Gold Inprint
Joe Ertl Scale Model Car -
Only 250 Will Be Made
Serial Number on Box and Car

DATE: Sat., March 25

TIME: 9:00 AM to 3:00 PM

ADMISSION: \$2.00 FLOOR RIGHTS: \$10.00
6:30 AM TO 9 AM

FOR MORE INFORMATION — CALL

STAN WANNER 717-566-0056

STEVE KIENZLE 717-566-5525

LOCATED 3 MILES WEST OF HERSHEY OFF

#322 AT HUMMELSTOWN EXIT

FALL TOY SHOW

SATURDAY NOVEMBER 11, 1995

CLASSIFIED ADS PAY OFF!

Public Auction Register

Closing Date Monday 5:00 P.M.
of each week's publication

MARCH

MON. MAR. 20 - 10AM
Absolute Auction, 6100
Germantown Ave. Phila.,
Pa. 19144. Liquidation of
Major Door Manufacturer.
Affiliated Auctioneers.

WED. MAR. 22 - 1:30PM
Belleville Livestock Market.
15 hand picked Canadian
cows from one herd. For
more info. Glene Glick
717-667-2703 or sale barn
717-935-2146.

FRI. MAR. 24 - 10AM Tom
& Irene Atchison farm auc-
tion. truck, equip, barn
equip, misc. produce,
household, antiques & col-
lectibles. at the Atchison

Farm, Oak Hollow Rd., Bar-
ton, NY. (Tioga Co.) Farm
is three miles off Rt. 17C at
Barton, 4 miles E. of Waverly,
NY. Howard W. Vischer, auct.

SAT. MAR. 25 - 9AM Hum-
melstown Fire House
spring toy show, 249 E.
Main St. Hummelstown,
Pa. Antiques, toys, trains,
farm toys, Ertl, Matchbox,
Smith-Miller, Winross &
More.

SAT. MAR. 25 - 9:45AM
Repossession Sale.
approx. 225 repo's & off
lease vehicles. Keystone
Public Auto Exchange.

SAT. MAR 25 - 10AM Con-
signement auction. Farm

machinery, fire truck &
equip, automobile, misc.
items. At the Jefferson Co.
fairgrounds between Char-
les Town, WV and Lee-
town, WV. From I-81 at
Martinsburg, WV take Rt. 9
E to the light in Kearney-
ville, WV, take a right to
Leetown. At Leetown take
left to fairgrounds on left.
From Charles Town, take
Rt. 9 to eotown Road, at
Edge of Ranson, WV. Take
Leetown Road to Fair-
grounds on right. Kable
aucts.

SAT. MAR. 25 - 10AM
Tractors, hay equip, plan-
ters, tillage. Sussex Co.
fairgrounds. Goodrich Auc-
tion Service, Inc.

EASTERN SHORE SHOWCASE SALE

SATURDAY, MARCH 25, 1995
12:00 Noon Sharp!

Solanco Fairgrounds, Quarryville, PA
1/4 Mile South of Quarryville on Route 472
A SUPER LINEUP OF 55 REGISTERED HOLSTEINS

Early Highlights

- * June 94 Winken from an Ex dam with 36,160m 1426f
- * Sept 94 Blackstar from an Ex dam with 37,000m 1615f
- * Dec 94 Prelude from 2 generations VG with over 20,000m
- * 2 Raiders: 1 bred from a 23,000m 2 yr. old
- * 2 Mascots, both bred and both dams over 22,000m
- * Dec 94 Astre from a VG Mark with 26,850m
- * A fresh Prelude from a dam with 25,510m 852f
- * A Delegate from an Ex 91 cow with 26,740m due sale time
- * Dec 94 Royal, 2 generations VG, records to 26,150m 1066f
- * Sept 94 Stardust 2 gen. VG records to 24,032m 987f
- * 2 Lukes, both from VG dams with records to 28,276m 1221f

Special Mention

Embryos sell from "Pala", "Beach", and two other Excellent Cows.
Sired by Lindy, Raider, Charles, and Southwind.

Sponsored by Cecil, Harford, Baltimore, York, Delaware, Chester
& Lancaster Holstein Clubs.

Co-Chairmen: Bob Knutsen & Steve Wilson

For information and catalogs: Bob Knutsen
130 Knutsen Lane, Rising Sun, MD 21911
410-658-6325