THE TRUST for PUBLIC LAND

CONSERVING LAND FOR PEOPLE



Protecting Drinking Water Through Land Conservation

Kelley Hart and Caryn Ernst August 16, 2006



The Challenge

 America's natural open spaces are disappearing at a rate of three million acres a year (USDA)



Conserving Land for People

The Trust for Public Land conserves land for people to enjoy as parks, gardens, and other natural places, ensuring livable communities for generations to come.

TPL Mission Statement

With over 400 staff working in 40+ offices in six regions.



Why source water protection? People care about clean drinking water

- Water quality is consistently one of the most important reasons that voters support new funding for land conservation.
- Drinking water quality is the number one reason.
- 89% of Americans agree that federal investment to guarantee clean and safe water is a critical component of our environmental well-being. (2005 Luntz poll)



Why should water suppliers care about land conservation?

- First step in a multiple-barrier approach
- Permanently protects critical natural resources
- Reimburses landowners fairly for value of property
- Affords more control for land management practices, even outside the communities' jurisdiction
- Can be blended with other regulatory and voluntary strategies, such as zoning and BMPs.



Why should water suppliers care about land conservation?

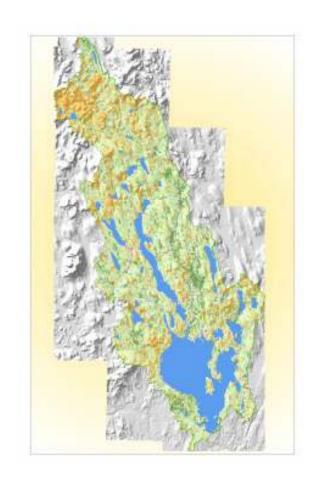
- •The most effective way to ensure the long-term protection of water supplies is through land ownership by the water supplier and its cooperative public jurisdictions. AWWARF, 1991.
- •One of the best tools for reducing the transmission of waterborne diseases is the establishment of watershed protection programs. The American Academy of Microbiology, 1996.



Research Suggests It's Economical

Hypothesis: As watersheds get built-out, raw water quality declines and drinking water treatment costs increase.

Preliminary Findings: For every 10% decline in forest cover, there may be a 12% increase in chemical treatment costs.



Conservation Services

Conservation Vision

Helping communities develop implementation strategies for their open space goals.

Conservation Finance

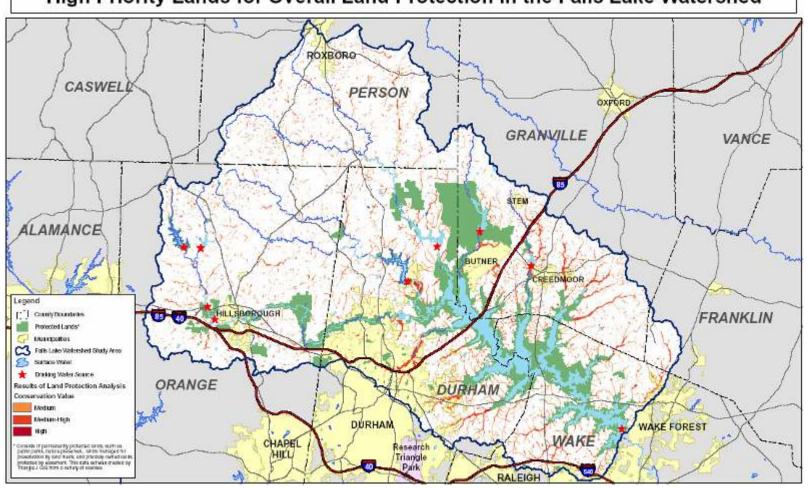
Helping government partners and communities create funding for land conservation.

Conservation Transactions

Helping government partners and communities evaluate and purchase land.

Case study: Upper Neuse River Basin

High Priority Lands for Overall Land Protection in the Falls Lake Watershed



Conservation Visioning

Constituency Building

Greenprinting /
GIS Analysis
(Others)

Conservation Finance Analysis

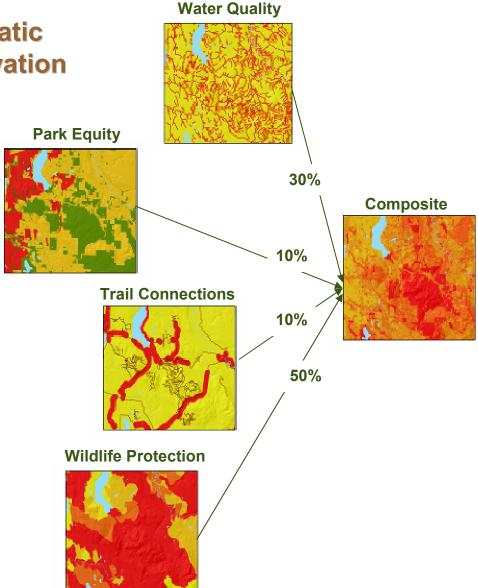
Action Planning

Step 1: Identify key stakeholders' interests and support for land conservation Step 2: Use stakeholder values to devise land protection priorities with broad support. Step 3: Devise local, state and federal funding 'quilt' to secure priorities.

Step 4: Devise short term action steps to secure and finance acquisition priorities.

Greenprint Modeling – A Systematic Approach to Prioritizing Conservation

- Hierarchical model combines the criteria building blocks into a composite conservation priority map.
- Relative weightings reflect regional conservation priorities.
- Alternative conservation scenarios are created by adding additional criteria or by modifying relative importance of existing criteria.



Strategic analysis reports

Greenprinting Results – Maps and Reports

Greenprinting visuals provide unique insight for formulating conservation acquisition strategies.

Parcel by parcel ranking Kinstell Enterviel - permisprovision - beginning at his families of the families - beginning at the families of the families o maps Blacker and Lands Color-coded overview 2022 maps Free beach 1007 COL 1,288 Read Hese of Redenier 180,500 1015000 WHAT 加热效果 High Eos Vilve Resear Loads: 250 2000

TPL's Conservation Finance Program

- Provides technical assistance to government officials and community leaders to create funding to protect lands that matter to their communities
- Since 1994, TPL has helped create more than \$25 billion through local and state ballot measures and via passage of legislation
 - 78% approval rate for ballot measures
- Leading provider of knowledge on conservation finance in the U.S. – LandVote, Conservation Almanac, Economic Benefits Report



National Conservation Finance Trends Ballot Measures 1998 - 2005



Potomac's State Conservation Funding

Maryland

- 1) Program Open Space
- 2) Rural Legacy Program
- 3) Maryland Agricultural Land Preservation Foundation
- 4) Maryland Greenprint Program

Virginia

- 1) Virginia Land Conservation Foundation
- 2) Virginia Outdoors Foundation

Pennsylvania

- 1) Pennsylvania Agricultural Conservation Easement Purchase Program
- 2) Growing Greener II
- 3) Community Conservation Partnership Program

West Virginia

- 1) Nongame and Wildlife Heritage Program
- 2) West Virginia Farmland Protection Program



State Spending in Potomac Watershed 1999 - 2004

State	2004 Pop	Total Spending		Annual Avg.		Annual Spending Per Capita	
Maryland	5,558,058	\$	580,000,000	\$	116,000,000	\$	20.87
Pennsylvania	12,406,292	\$	439,908,478	\$	87,981,696	\$	7.09
Virginia	7,459,827	\$	43,200,000	\$	8,640,000	\$	1.16
West Virginia	1,815,354	\$	8,814,255	\$	1,762,851	\$	0.97

Sources: http://www.biodiversitypartners.org/policy/funding.shtml

Maryland Land Conservation Programs, Gov. Ehrlich's office 12.03

WV Dept. of Natural Resources

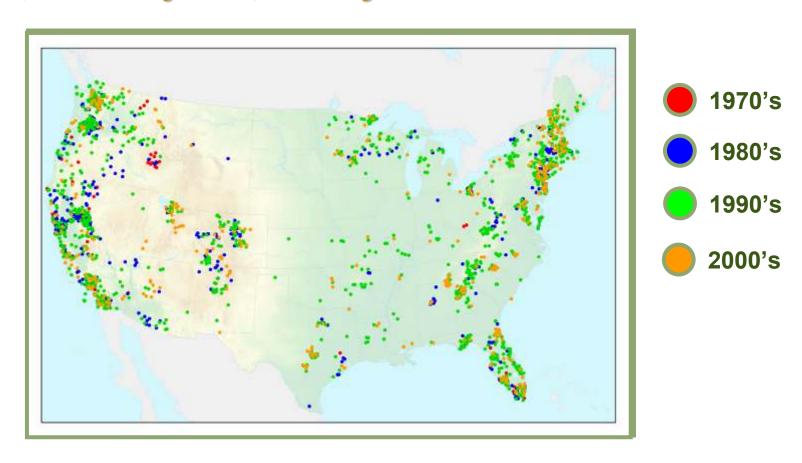
PA Dept. of Conservation and Natural Resources, PA Dept. of Agriculture

Local Financing Sources

- Water utility rate or storm water utility fee
 - Can be dedicated fees as supplement to rate structure
- Municipal or county general fund appropriation
 - Including reallocation of resources or legislatively approved tax levy
- Property tax levy
 - Voters often willing when revenues earmarked for land protection, particularly for source protection
- General obligation bond
 - Most popular open space financing tool
- Sales Tax
 - Raises large amounts of money, legal authority to implement varies widely

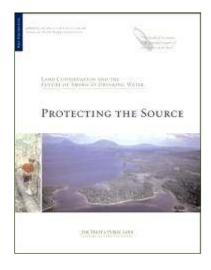


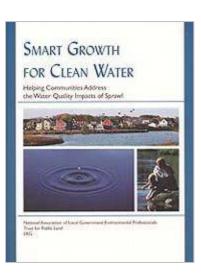
Conservation Transactions: 2,700 Projects, nearly 2 million acres

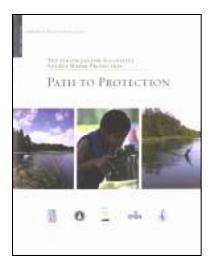


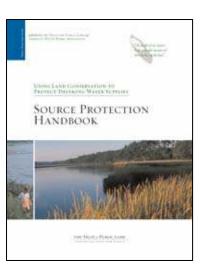


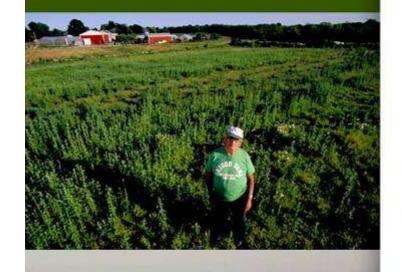
Resources Available











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