Living Streamside

Guide to Designing your Property and Protecting our Watershed

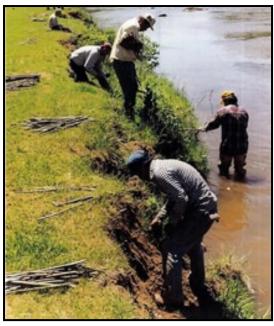


Water Department BACKYARD BUFFER PROGRAM

Live Stakes

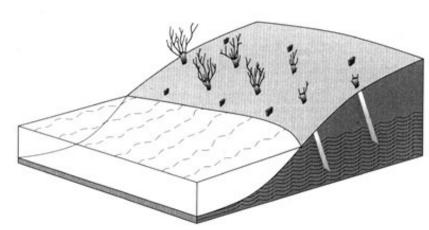
Description:

- Native shrubs cuttings (2-3 feet in length) planted into streambank.
- Cost: \$1-2 each bought in bulk.
- In 2-3 years shrubs become established.



Source: Foggy Mountain Nursery (www.foggymtn.com)

Tip Sheet #8



Stream Corridor Restoration: Principles, Processes, and Practices, 10/98, by the Federal Interagency Stream Restoration Working Group (FISRWG).

Functions:

- Velocity of flow through & around vegetation is slowed by friction which can help to prevent erosion.
- Vegetation provides wildlife habitat (e.g.; cover, nesting, food).
- Vegetation overhanging stream provides shade, which cools the water, improving oxygen and temperature conditions for aquatic wildlife (fish and insects).



Living Streamside

Guide to Designing your Property and Protecting our Watershed



BACKYARD BUFFER PROGRAM

Live Stakes

Tip Sheet #8

Plant List:

Common Name	Scientific Name	Mature Height (ft)	Sun/ Shade	Moisture	Soil
Silky dogwood	Cornus amomum	6-12	FS/PS	MW	CLS
Black Willow	Salix nigra	35-50	FS/PS	MW	CLS
Common Buttonbush	Cephalanthus occidentalis	6-12	FS/PS/S	MW	CLSO
Southern arrowood	Viburnum dentatum	10-15	FS/PS/S	DMW	LSO
Eastern Cottonwood	Populus deltoides	75-100	FS	MW	CLS
Red Osier Dogwood	Cornus stolonifera	3-10	FS/PS	MW	CLS
Common Ninebark	Physocarpus opulifolus	5-12	FS/PS	MW	CL
American Sycamore	Platanus occidentalis	75-100	FS/PS	MW	LS
Sandbar Willow	Salix exigua	3-20	FS/PS	MW	LS
Silky Willow	Salix sericea	12	FS/PS/S	MW	CLS
Pussy Willow	Salix discolor	6-15	FS/PS	MW	CLS

FS: Full Sun, PS: Partial Sun, S: Shade; D: Dry, M: Moist, W: Wet; C: Clay, L: Loam, S: Silt, O: Organic

General Installation:

- 1. Drive a pilot hole prior into the bank with rebar or a pointed smooth rod.
- 2. Install on bank face just above water level and not beyond top of bank.
- 3. Approximately 2/3 of the stake is inserted into the bank leaving 1/3 exposed above ground surface.
- Install in triangular pattern, spacing plants 2-3 feet apart. 4.
- 5. Kept moist during storage and installation.
- Install between November 1 and April 31.

Source & Cost Estimate:

Ernst Conservation Seed (retail/\$25min order), web: www.ernstseed.com, phone: (800) 873-3321. \$1-2/unit, min. \$25 per order. Shipping estimate for 100 units is \$25-30

Note: PWD does not endorse any products or suppliers identified nor can they verify any information/claims these sources provide. Design and installation of a project is site specific and the responsibility of the property owner.

