

2003

Recommendations for Future Restoration and Management Efforts for Mill Brook, Westbrook, Maine: Appendix F. Watershed Survey of Mill Brook

Casco Bay Estuary Partnership

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Recommended Citation

Casco Bay Estuary Partnership. (2003). Recommendations for Future Restoration and Management Efforts for Mill Brook, Westbrook, Maine: Appendix F. Watershed Survey of Mill Brook. [Appendix]. Portland, ME: University of Southern Maine, Muskie School of Public Service, Casco Bay Estuary Partnership.

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Watershed Survey of Mill Brook - 2003

Performed by Presumpscot River Watch and Various Partners

DATE	SITE	SURVEYORS	LOCATION	LANDUSE	PROBLEM	AREA SIZE	RECOMMENDATIONS	IMPACT	DIFFICULTY	COST
5/31/2003	1-1	FB, BM	E. Bridge St.	Ag	Direct flow to stream; moderate ditch erosion; bare/stockpiled soil; moderate surface erosion; possible bacteria.	3 acres	Establish buffer; build detention basin.	High	High	High
5/31/2003	1-2	FB, BM		Town Road	Unstable culvert; direct flow to ditch; slight ditch erosion.	50' x 20'	Reset or enlarge culvert.	Low	Low	Low
5/31/2003	1-3	FB, BM	Methodist Rd.	Town Road	Hanging culvert; moderate ditch erosion; slight shoulder erosion.	50' x 100'	Install plunge pool; replace culvert; install ditch	Med	Med-Hi	High
5/31/2003	1-4	FB, BM	Methodist Rd.	Town Road	Unstable culvert; direct flow to stream; slight ditch & shoulder erosion.	10' x 20'	Install plunge pool; stabilize culvert; remove winter sand.	Med	Med	Med
5/31/2003	2-1	MK, WG	Duck Pond Rd. (across from #880)	Town Road	Direct flow to stream/ditch; slight ditch erosion; moderate shoulder erosion; unstable construction site.	125' x 20'	Armor w/ stone or grass; reshape/veg shoulder.	Low	Med	Med
5/31/2003	2-2	MK, WG	Duck Pond Rd. (across from Gowen homestead)	Town Road	Hanging culvert; direct flow to stream; moderate shoulder erosion; moderate bank erosion.	35' x 10'	Install plunge pool; replace culvert; stabilize banks.	Med	Med	Med
5/31/2003	2-3	MK, WG	Duck Pond Rd. (strm. X-ing E of power line)	Town Road	Unstable culvert; direct flow to stream; severe shoulder erosion.	5' x 3'	Stabilize culvert.	Low	Low	Low
5/31/2003	2-4	MK, WG	#1018 Rt. 302 (strm. X-ing across from Willow Dr)	Residential	Direct flow to stream; bare soil; moderate bank erosion; dumping on bank.	50' x 20'	Remove stockpiled asphalt; riprap and veg.; halt bank dumping.	Low	Med	Med
5/31/2003	2-5	MK, WG	Rt. 302 (near Mill Brook Garden Ctr)	Commercial	Direct flow to ditch; stockpiled soil; lack of buffer for soil piles.	75' x 4'	Relocate soil piles; cover or curb piles to contain soil.	Med	Low	Low
5/31/2003	3-1	BL, DK	Austin Rd. (#470)	Town Road	Direct flow to stream; slight road shoulder erosion.	25' x 2'	Install road turnout; remove grader berms; remove winter sand; install waterbar.	Low	Low	Low
5/31/2003	3-2	BL, DK	Austin Rd (#465)	Residential	Lack of shoreline buffer; leaf pile.	2000'	Establish buffer.	Low	Low	Low
5/31/2003	3-3	BL, DK	Austin Rd. (across from #355)	Residential	Lack of shoreline buffer; fill added to stream bank for house construction.	40' x 10'	Establish buffer; plant trees and shrubs.	Low	Low	Low
5/31/2003	3-4	BL, DK	Austin Rd. (#335)	Residential	Lack of shoreline buffer.	20' x 10'	Establish buffer; plant trees and shrubs.	Low	Low	Low
5/31/2003	3-5	BL, DK	Austin Rd. (#361)	Residential	Lack of shoreline buffer.	150'	Establish buffer; plant trees and shrubs.	Low	Low	Low
5/31/2003	3-6	BL, DK	Austin Rd. (#346)	Town Road	Direct flow to stream (from town road and paved drives).	250' x 25'	Install plunge pool; install catch basin?	Low	Low	Low
5/31/2003	3-7	BL, DK	Prides St. (#164)	Ag	Direct flow to stream; livestock near stream; bare soil/fields; lack of shoreline buffer.	500' x 400'	Establish buffer; plant trees and shrubs; move fence away from stream.	High	Low	Med
5/31/2003	4-1	BW, MS	Austin Rd. (near #157)	Recreation	Direct flow to stream; bare soil; slight surface erosion. (All from foot path).	50' x 4'	Seed and mulch; intall steps; define path for foot traffic; terrace.	Low	Low	Low