



Summary of costs of the best management practices installed through the Chesapeake Bay-Friendly Horse Farm Project 2007- 2010. The info provided is based on a careful review of receipts and good faith estimates of the value of donated services/materials. Your actual costs may vary.



This project received funding from the Virginia Water Quality Improvement Fund provided by the Virginia Department of Conservation and Recreation (DCR), via grant number 2007-WQIF-19.

Fencing:

344' of Streamside Buffer fence: 1 board and 2 strands of electric rope combined

Name	#	Unit cost	Total cost
Wooden post	44	\$9.50	\$418.00
Top wooden board	22	\$6.95	\$152.90
Electric rope (ft.)	690	\$0.05	\$37.26
Insulators for rope	88	\$17.00	\$17.00
Bags of concrete	44	\$3.66	\$161.04
Labor cost/linear foot	344	\$3.00	\$1,032.00
Total			\$1,818.20
		Cost/linear ft.	\$5.29

448' of Sacrifice area fencing: 3-board wood fence

Name	#	Unit cost	Total cost
Wooden post (diameter 5"- 7")	58	\$9.50	\$551.00
Wooden board	90	\$6.95	\$625.50
Gate & corner post (diameter 8")	13	\$18.80	\$244.40
Bags of concrete	84	\$3.66	\$307.44
Deck screws (5/8")	1	\$25.64	\$25.64
Labor cost/linear foot	448	\$3.00	\$1,344.00
Total			\$3,097.98
		Cost/linear ft.	\$6.92

340 ' of Interior fence: steel post w/3 strands of electric tape

Name	#	Unit cost	Total cost
Wooden post (diameter 5"- 7")	1	\$9.50	\$9.50
Steel post	17	\$5.45	\$92.65
Pack of T post tape insulators (25/pack)	3	\$8.99	\$26.97
Bags of concrete	1	\$3.66	\$3.66
3 way gate anchor kit	3	\$8.50	\$25.50
Feet of Gallagher turbo tape	1030	\$0.08	\$83.43
HD gate handle	3	\$6.79	\$20.37
T top insulators (multi-pack)	3	\$11.89	\$35.67
Labor cost/linear foot	340	\$3.00	\$-*
Total			\$297.75
Cost/ linear ft.			\$0.88

* Cost/linear ft. does not include labor costs; you can install this fencing yourself

195 ' of Interior fence: fiberglass post with 2 strands of electric rope

Name	#	Unit cost	Total cost
Wooden post	2	\$9.50	\$19.00
Fiberglass post	13	\$1.40	\$18.20
Electric rope (ft.)	400	\$0.05	\$20.00
Concrete blocks	2	\$3.66	\$7.32
Electric rope clamps	2	\$2.71	\$5.42
Pack of electric rope clamps	1	\$5.79	\$5.79
Labor cost/linear foot	195	\$3.00	\$-*
Total			\$75.73
Cost/ linear ft.			\$ 0.39

*Cost/linear ft. does not include labor costs; you can install this fencing yourself

2, 470' of Perimeter fence-5 strands of high tensile coated wire

Name	#	Unit cost	Total cost
Total fencing cost from Kencove (including all materials)			\$6,861.80
Bags of concrete for posts	204	\$3.66	\$746.64
Bags of concrete for gate posts	8	\$3.66	\$29.28
Labor cost/linear foot	2470	\$3.00	\$7,410.00
Total			\$14,271.80
Cost/ linear ft.			\$5.78

Pasture Renovation:

Pasture renovation - minor on 2 acres

Name	#	Unit cost	Total cost
Fertilizer (bagged)	10	\$18.87	\$188.70
Fast acting pelletized lime (bagged)	8	\$26.00	\$208.00
Pasture mix (bagged, 50lbs/ac)	2	\$52.32	\$104.64
Seeding w/no-till seeder & fertilizer/lime appl.	1	\$400.00	\$400.00
Total			\$901.34
Cost/acre			\$450.67

Pasture renovation - major on 2 acres

Name	#	Unit cost	Total cost
Fertilizer (bagged)	10	\$8.99	\$189.90
Pelletized lime (bagged)	100	\$4.00	\$400.00
Select Fescue (bagged, 50lbs/ac)	2	\$75.00	\$150.00
Plow, seeding, & fertilizer/lime appl.	1	\$600.00	\$600.00
Herbicide application	1	\$178.00	\$178.00
Total			\$1,517.90
Cost/acre			\$758.95

Water Trough(s):

Watering System: Bar-Bar-A automatic trough

Name	#	Unit cost	Total cost
Bar-Bar-a Trough w/shipping	1	\$438.00	\$438.00
Feet of 1" 200 psi pipe	210	\$0.92	\$193.20
Miscellaneous costs (see note below)	-	\$141.00	\$141.00
Total cost/trough			\$772.20
<i>Miscellaneous costs include fittings, pea gravel, culvert, etc.</i>			
<i>Water trough installation (trough + waterline installation); Contractor uses his equipment+ labor (all materials provided):</i>			
Installation cost of other auto water troughs (provided FYI, only)			\$800.00-\$1,000.00
Installation of Bar-bar-a waterer	1		\$500.00
<i>Bar-Bar-A waterer trough replacement part costs:</i>			
Valve	1	\$15.00	
Filters	1	\$5.00	

Gates:

Gates

Gate Type	Cost/gate
14' gate	\$157.67
8' gate	\$79.37
gate latch	\$9.69
4' gate (small)	\$48.00
6' gate (heavy duty; green)	\$100.43
8' gate (standard; blue)	\$79.37
16' gate	\$196.96

Sacrifice Area/Dry Paddock:

Sacrifice Areas -160'x45' and 125'x65' ; 12" + depth w/major prep*

Name	#	Unit cost	Total cost
Bluestone gravel, delivered	1250	\$23.00	\$28,750.00
Site prep and installation (multiple days)	1	\$3,657.81	\$3,657.81
Total			\$32,407.81
		15,325 Cost/ sq ft.	\$2.11

**For demonstration purposes, the sacrifice areas are twice as large, w/footing twice as deep as an 'average' sacrifice area (average sacrifice area is about 625ft²/horse, depending on property, landowner, and horse); Our gravel was provided at no cost by Luck Stone quarry, which provides us with the means to make the paddocks very large and very deep for demonstration purposes)*

O2 Composter:

O2 Compost items

Name	Total cost
O2 design (and solar panel)	\$1,920.00
O2 battery	\$216.95
Excavating to prepare site -Angler	\$1,500.00
General supplies for bins from Lowes	\$2,137.48
Stable Grid	\$1,168.31
Theros Equipment (bobcat rental)	\$205.54
Rexel-Branch Electric O2 compost (misc.)	\$140.15
VAMAC O2 compost (misc.)	\$148.68
O2 compost - cable	\$42.22
Gravel for Grid pad	\$152.10
Total material cost and design	\$7,631.43
<i>Contractor work (donation value)</i>	\$4,500.00
Total O2 project cost	\$12,131.43

Gutter Instillation:

Gutter installation for 70'x40' barn (materials only)

Name	Unit	Total cost
Gutter supply (200' of gutter)	kit	\$439.11
Drain tile (150' long)	feet	\$130.00
Total cost		\$569.11
	Cost/ linear ft.	\$2.85

Other Costs:

Other Item Costs

Name	Unit	Total cost
Guardian SH electric charger	piece	\$269.00
Southern States 6v Solar Fence Charger 25m	piece	\$199.95
SP3 Solar Power Fence (not used on grant farm, cost provided FYI)	piece	\$134.95
5/8 x 8" ground rod	piece	\$12.13
Warning sign (electric fencing)	piece	\$2.25
165 long cable	\$/ft.	\$0.22
T-post Hammer	piece	\$26.95
T-post puller	piece	\$46.00
Excavation	\$/hour	\$65.00-\$85.00
Site excavation (general estimate)	minimum cost	\$500.00
Pipeline installation	\$/linear ft.	\$5.50
Grading cost average (with equipment rental)	per hour	\$150.00- &200.00
Renting Bobcat for grading	day	\$175.00
Bobcat hauling fee		\$100.00
Dumpster	per/month up to 5T of waste	\$453.00

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For more information about this project, contact Prince William Soil and Water Conservation District at (571) 379-7514, pwsxcd@pwsxcd.org, or read more about us at www.pwsxcd.org.

Prince William Soil and Water Conservation District has been meeting local natural resource needs since 1945.