

Appendix A: Raw Data Collected from Sites 1-4

Audobon Society

Centennial Woods

Site 1

elev: 900 ft
18T 0659383
UTM 4912473

On Trail hydrated soil weight 265.92 g
oven-dry soil weight
soil volume 190.00 ml

separated by 9.0 ft

Off Trail hydrated soil weight 549.42 g
oven-dry soil weight
soil volume 530.00 ml

Site 2

elev: 590 ft
18T 0659721
UTM 4912622

On Trail hydrated soil weight 677.71 g
oven-dry soil weight
soil volume 350.00 ml

separated by 10.5 ft

Off Trail hydrated soil weight 676.36 g
oven-dry soil weight
soil volume 460.00 ml

Site 3

elev: 350 ft
18T 0644349
UTM 4926922

On Trail hydrated soil weight
oven-dry soil weight
soil volume

separated by 20.9 ft

Off Trail hydrated soil weight
oven-dry soil weight
soil volume

Site 4

elev: 311 ft
18T 0644348
UTM 4926922

On Trail hydrated soil weight
oven-dry soil weight
soil volume

separated by 12.0 ft

Off Trail hydrated soil weight
oven-dry soil weight
soil volume

218.75 g

160.00 ml

645.01 g

570.00 ml

881.85 g

500.00 ml

622.41 g

550.00 ml

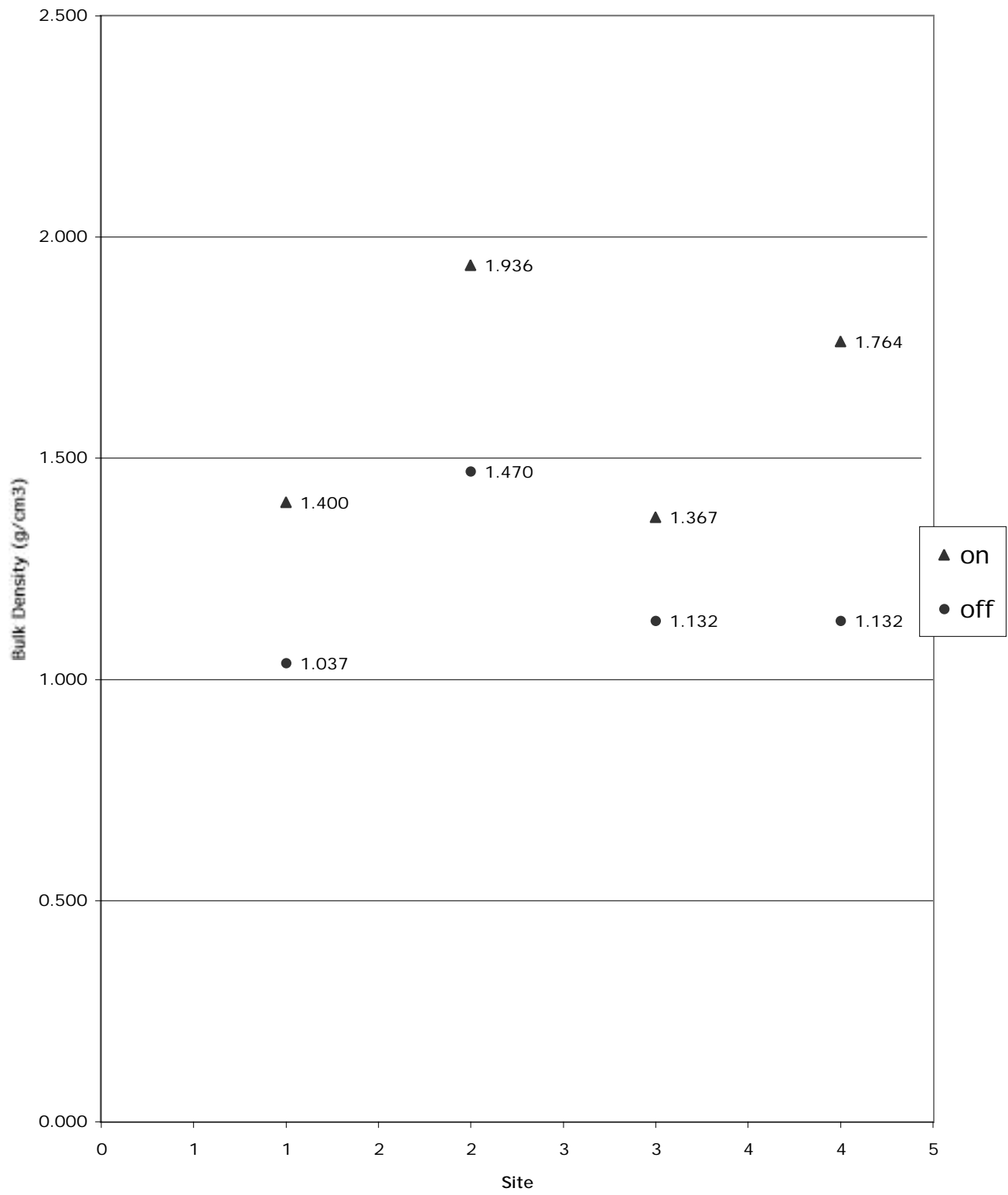
Appendix B: Calculations Sites 1-4

		Site 1	Site 2	Site 3
bulk density=hydrated weight(g)/volume(cm ³)	on trail BD	265.92g/190.00cm ³ =1.400g/cm ³	677.71g/350.00cm ³ =1.936g/cm ³	218.75g/160.00cm ³ =1.367g/cm ³
	off trail BD	549.42g/530.00cm ³ =1.037g/cm ³	676.35g/460.00cm ³ =1.470g/cm ³	645.01g/570.00cm ³ =1.132g/cm ³
	difference	.363g/cm ³	.466g/cm ³	.235g/cm ³
	% difference	25.93%	24.07%	17.19%

Site 4	Averages
881.85g/500.00cm3= 1.764g/cm3	1.617g/cm3
622.41g/550.00cm3= 1.132g/cm3	1.193g/cm3
.632g/cm3	.424g/cm3
35.83%	25.76%

	1	2	3	4
on	1.400	1.936	1.367	1.764
off	1.037	1.470	1.132	1.132

Figure 3: Bulk Density On and Off Trail



GREEN MOUNTAIN AUDUBON NATURE CENTER/HUNTINGTON, VT

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The grounds are open every day from dawn to dusk. The Visitor Center is usually open weekdays and weekends depending on staff availability. Please help us protect the natural features by staying on the trails and leaving all natural objects in their places.



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To RICHMOND AND INTERSTATE 89



75 METERS/250 FEET

LEGEND

- Trail.....
- Marsh.....
- Forest.....
- Contour (5 meters/16 feet).....
- Viewpoint.....
- Building.....
- Parking.....

Trail map design by Jay Collier.
Vermont Community Media (1994)
Cartography by Atlas Brault, Jot Font, Jan Kaplan (1991); David Bailey (1994)
Artwork by Mary Crane (1985)

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