

FIELD SUMMARY SHEET

Permit Name & Number:

Houff's Feed & Fertilizer -VPA01566

Approximate field center coordinates for GIS software

Site Name & Number	Field ID	DEQ Contol ID	Gross Acres	Leahowner Name	Tax Parcel ID	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Site Type (Ag, Forest, etc)	Proposed Crop(s)	
MIDDLEBROOK	R-1		34.4	Middlebrook Farms, LLC	72-27	38.039	-79.235	Agricultural	*	
	R-2		11.7	Middlebrook Farms, LLC	72-27	38.042	-79.233	Agricultural	*	
	R-3		19.4	Middlebrook Farms, LLC	72-27	38.045	-79.230	Agricultural	*	
	R-4		19.7	Middlebrook Farms, LLC	72-27	38.043	-79.226	Agricultural	*	
	R-5		19.5	Middlebrook Farms, LLC	72-27	38.040	-79.228	Agricultural	*	
	R-6		16.7	Middlebrook Farms, LLC	72-27	38.036	-79.230	Agricultural	*	
	R-7		34.4	Middlebrook Farms, LLC	72-27	38.042	-79.224	Agricultural	*	
	R-8		37.7	Middlebrook Farms, LLC	72-27	38.042	-79.221	Agricultural	*	
	R-9P		76.9	Middlebrook Farms, LLC	72-27	38.048	-79.225	Agricultural	*	
	R-10P		39.5	Middlebrook Farms, LLC	72-27	38.043	-79.228	Agricultural	*	
	M-1		30.1	Middlebrook Farms, LLC	72-12	38.053	-79.231	Agricultural	*	
	M-2		26.1	Middlebrook Farms, LLC	72-55	38.053	-79.226	Agricultural	*	
	M-3P		77.6	Middlebrook Farms, LLC	72-55	38.054	-79.226	Agricultural	*	
	M-4P		82.6	Middlebrook Farms, LLC	72-55 &	38.057	-79.219	Agricultural	*	
	M-5P		146.5	Middlebrook Farms, LLC	72-12, 72-12A n	38.057	-79.231	Agricultural	*	
	H-1		23.1	Middlebrook Farms, LLC	72-16 L	38.041	-79.244	Agricultural	*	
	H-2		44.1	Middlebrook Farms, LLC	72-16 n	38.044	-79.239	Agricultural	*	
	H-3		34.7	Middlebrook Farms, LLC	72-16 Q	38.047	-79.234	Agricultural	*	
	H-4P		100.7	Middlebrook Farms, LLC	72-16 <	38.040	-79.240	Agricultural	*	
	H-5P		57.2	Middlebrook Farms, LLC	72-16 ^	38.050	-79.237	Agricultural	*	
	H-6P		76.8	Middlebrook Farms, LLC	72-16 L	38.047	-79.242	Agricultural	*	
	H-7P		134.6	Middlebrook Farms, LLC	72-16	38.045	-79.247	Agricultural	*	
	LOT 1		9.9	Middlebrook Farms, LLC	72-16	38.047	-79.232	Agricultural	*	
	LOT 2		12.2	Middlebrook Farms, LLC	72-16	38.04	38.046	-79.231	Agricultural	*
	LOT 3		11.0	Middlebrook Farms, LLC	72-16	38.044	-79.233	Agricultural	*	
	LOT 4		9.9	Middlebrook Farms, LLC	72-16	38.046	-79.235	Agricultural	*	
	A-1		48.4	Middlebrook Farms, LLC	72-11B	38.058	-79.237	Agricultural	*	
	A-2		4.8	Middlebrook Farms, LLC	72-11B	38.061	-79.242	Agricultural	*	
	A-3A		26.3	Middlebrook Farms, LLC	72-11B	38.056	-79.242	Agricultural	*	
	A-3B		20.0	Middlebrook Farms, LLC	72-11B, 72-12B	38.053	-79.240	Agricultural	*	
	A-3C		16.0	Middlebrook Farms, LLC	72-12B	38.052	-79.239	Agricultural	*	
	A-4P		73.7	Middlebrook Farms, LLC	72-11B	38.063	-79.240	Agricultural	*	
	T-1		28.6	Middlebrook Farms, LLC	72-10, 72-13, 72-13A	38.050	-79.254	Agricultural	*	
	T-2		11.2	Middlebrook Farms, LLC	72-10	38.05	38.052	-79.251	Agricultural	*
	T-3		30.1	Middlebrook Farms, LLC	72-10, 72-10E, 72-10F	38.05	38.053	-79.246	Agricultural	*
	T-4		25.0	Middlebrook Farms, LLC	72-10E, 72-10G	38.051	-79.245	Agricultural	*	
	T-5		38.5	Middlebrook Farms, LLC	72-8, 72-8A, 72-9D	38.059	-79.257	Agricultural	*	
	T-6P		15.2	Middlebrook Farms, LLC	72-8, 72-9A	38.058	-79.251	Agricultural	*	
	T-7P		56.9	Middlebrook Farms, LLC	72-9B, 72-9C, 72-9D, 72-9E	38.061	-79.257	Agricultural	*	
	T-8P		139.3	Middlebrook Farms, LLC	72-8, 72-8B, 72-10, 72-13, 72-13A	38.056	-79.255	Agricultural	*	
	T-9P		33.0	Middlebrook Farms, LLC	72-10, 72-10D	38.055	-79.247	Agricultural	*	
	T-10P		27.6	Middlebrook Farms, LLC	71-11, 71-12, 72-8A, 72-8B	38.055	-79.264	Agricultural	*	
	T-11P		5.1	Middlebrook Farms, LLC	72-8	38.060	-79.253	Agricultural	*	
	D-1		16.3	Middlebrook Farms, LLC	72-7	38.060	-79.249	Agricultural	*	
	D-2		26.9	Middlebrook Farms, LLC	72-7	38.062	-79.251	Agricultural	*	
	D-3		24.8	Middlebrook Farms, LLC	72-7	38.065	-79.250	Agricultural	*	
	D-4		19.1	Middlebrook Farms, LLC	72-7 ^	38.065	-79.246	Agricultural	*	
	D-5		22.9	Middlebrook Farms, LLC	72-7 Jrr	38.063	-79.246	Agricultural	*	
	D-6		25.4	Middlebrook Farms, LLC	72-7 rU	38.067	-79.247	Agricultural	*	
	D-7P		52.4	Middlebrook Farms, LLC	72-7	38.066	-79.254	Agricultural	*	
	C-1		7.4	Middlebrook Farms, LLC	72-59 TV	38.065	-79.230	Agricultural	*	
	C-2		6.7	Middlebrook Farms, LLC	72-59 **	38.064	-79.229	Agricultural	*	
	C-3		9.3	Middlebrook Farms, LLC	72-59 C	38.063	-79.229	Agricultural	*	
	C-4		8.5	Middlebrook Farms, LLC	72-59 r"	38.062	-79.229	Agricultural	*	
	C-5		31.0	Middlebrook Farms, LLC	72-59 %	38.060	-79.231	Agricultural	*	
	C-6		23.0	Middlebrook Farms, LLC	72-59 L	38.063	-79.224	Agricultural	*	
	C-7P		43.1	Middlebrook Farms, LLC	72-59	38.061	-79.224	Agricultural	*	
	C-8P		53.5	Middlebrook Farms, LLC	72-59	38.064	-79.221	Agricultural	*	
	C-9P		22.4	Middlebrook Farms, LLC	72-59 %	38.062	-79.233	Agricultural	*	

MAPPED
CV
SEP 02 2015

DEQ Valley
S
MAY 01 2015

* Updated NMP will be available prior to land application.

Haul Route: The site maps in conjunction with the above longitude and latitude coordinates, and source location are route planning tools meant to be a guide to indicate suggested haul routes for various preferences: to include but not limited to all federal, state and local granted STAA access routes.

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Houff's Feed & Fertilizer

County or City: Augusta

Landowner: Middlebrook Farms, LLC

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

DEQ Valley

Middlebrook Farms LLC By: Matthew Ewing, President

Landowner's Signature

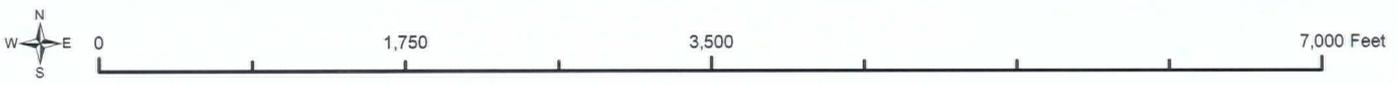
Date

3/27/2015
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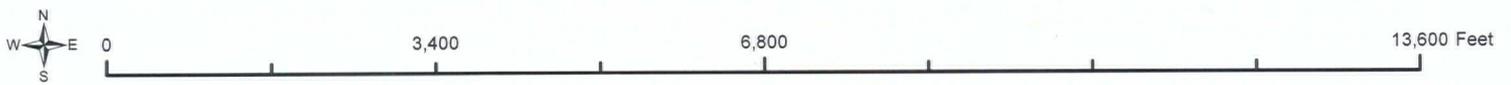
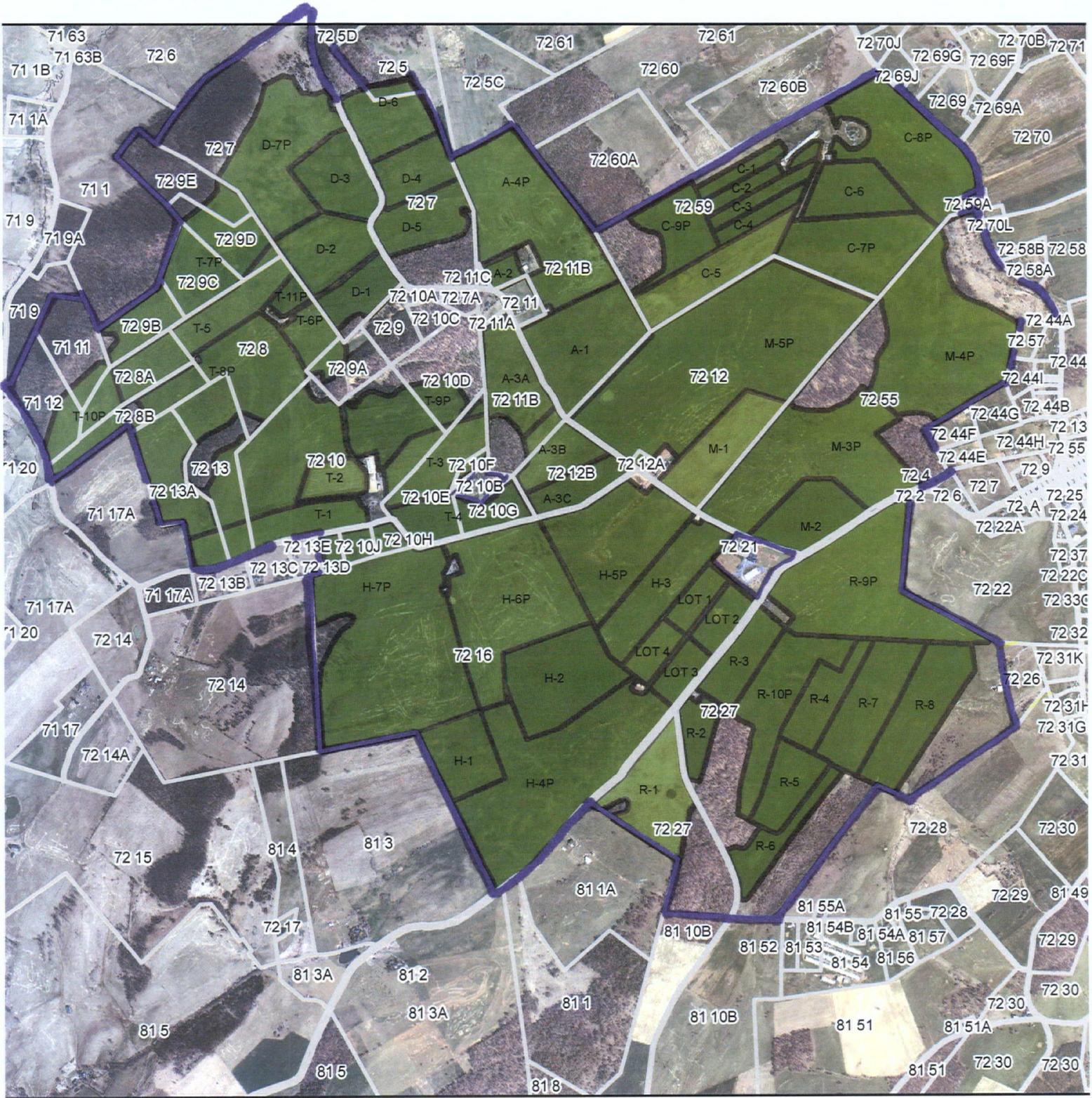
Site: MIDDLEBROOK
Owner: Middlebrook Farms, LLC
Operator: Matt Eavers

Tax Map
(eastern detail)



Site: MIDDLEBROOK
Owner: Middlebrook Farms, LLC
Operator: Matt Eavers

Tax Map



Site: MIDDLEBROOK
Owner: Middlebrook Farms, LLC
Operator: Matt Eavers

Soils Map (southern quadrant)

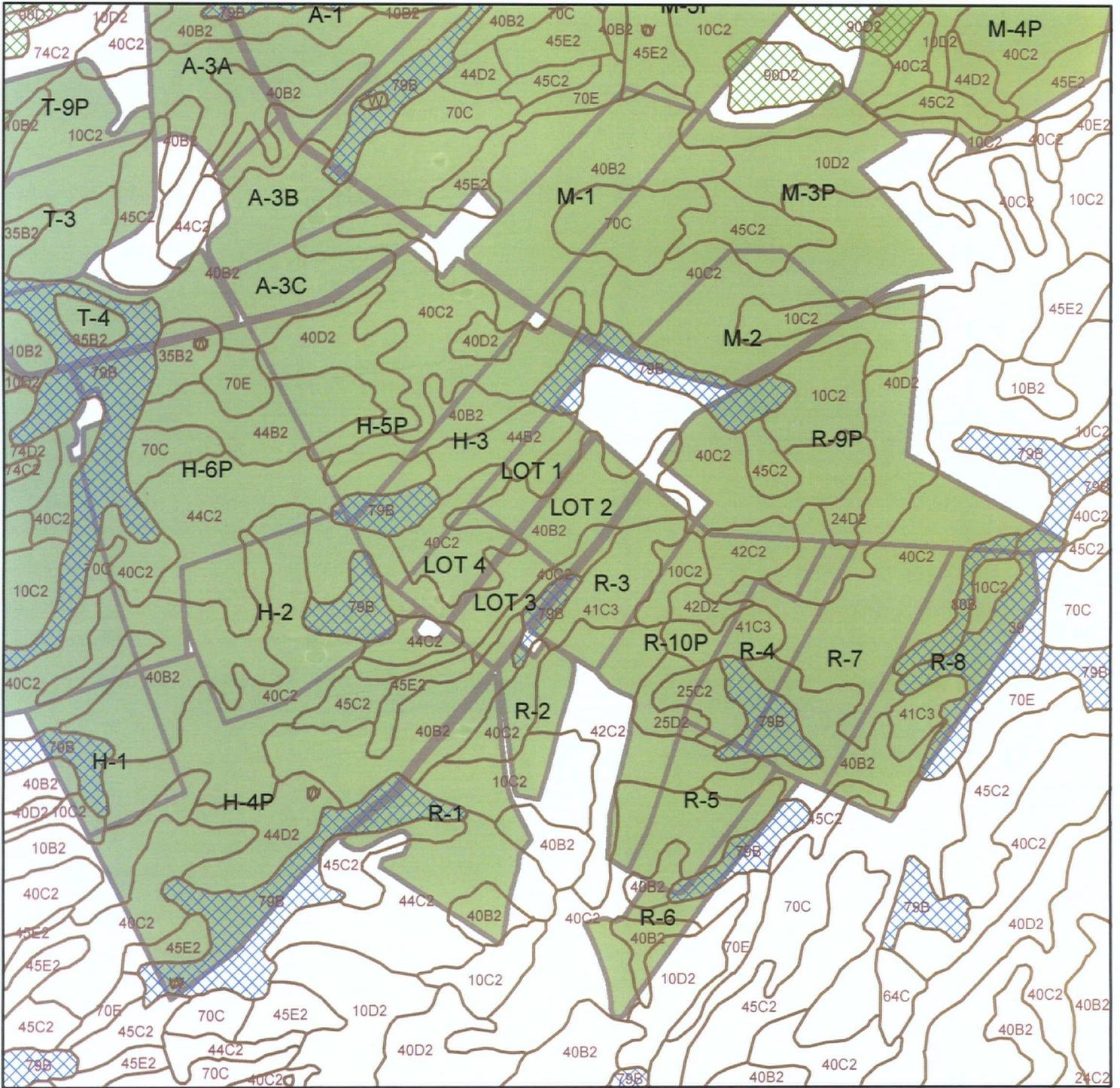


	Augusta_Soils
	MBF Fields



Site: MIDDLEBROOK
 Owner: Middlebrook Farms, LLC
 Operator: Matt Eavers

Soils Map (southern quadrant)



Map Unit Legend

Augusta County, Virginia (VA015)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5	Aqualfs, nearly level	3.9	0.01%
9B2	Berks-Weikert channery silt loam, 2 to 7 percent slopes, eroded	2.0	0.0%
9C2	Berks-Weikert channery silt loam, 7 to 15 percent slopes, eroded	46.1	0.9%
10B2	Bookwood silt loam, 2 to 7 percent slopes, eroded	78.8	1.6%
10C2	Bookwood silt loam, 7 to 15 percent slopes, eroded	368.0	7.3%
10D2	Bookwood silt loam, 15 to 25 percent slopes, eroded	240.0	4.7%
10E2	Bookwood silt loam, 25 to 45 percent slopes, eroded	26.6	0.5%
11B	Buchanan fine sandy loam, 2 to 7 percent slopes	8.3	0.2%
22C2	Chilhowie-Edom complex, 7 to 15 percent slopes, eroded	26.1	0.5%
23E3	Chilhowie-Edom channery silty clay loams, 15 to 45 percent slopes, severely eroded	16.7	0.3%
24B2	Christian fine sandy loam, 2 to 7 percent slopes, eroded	5.4	0.1%
24C2	Christian fine sandy loam, 7 to 15 percent slopes, eroded	5.2	0.1%
24D2	Christian fine sandy loam, 15 to 25 percent slopes, eroded	17.5	0.3%
25C2	Christian gravelly fine sandy loam, 7 to 15 percent slopes, eroded	6.3	0.1%
25D2	Christian gravelly fine sandy loam, 15 to 25 percent slopes, eroded	4.9	0.1%
30C2	Edom silt loam, 7 to 15 percent slopes, eroded	11.2	0.2%
30D2	Edom silt loam, 15 to 25 percent slopes, eroded	2.6	0.1%
32E2	Edom-Rock outcrop complex, 15 to 45 percent slopes, eroded	8.0	0.2%
35B2	Endcav silt loam, 2 to 7 percent slopes, eroded	31.3	0.6%
39	Fluvaquents, nearly level	202.3	4.0%

Augusta County, Virginia (VA015)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
40B2	Frederick-Christian silt loams, 2 to 7 percent slopes, eroded	612.2	12.1%
40C2	Frederick-Christian silt loams, 7 to 15 percent slopes, eroded	862.2	17.0%
40D2	Frederick-Christian silt loams, 15 to 25 percent slopes, eroded	249.6	4.9%
40E2	Frederick-Christian silt loams, 25 to 45 percent slopes, eroded	13.3	0.3%
41B3	Frederick-Christian silty clay loams, 2 to 7 percent slopes, severely eroded	2.0	0.0%
41C3	Frederick-Christian silty clay loams, 7 to 15 percent slopes, severely eroded	71.2	1.4%
41D3	Frederick-Christian silty clay loams, 15 to 25 percent slopes, severely eroded	55.9	1.1%
42B2	Frederick-Christian gravelly silt loam, 2 to 7 percent slopes, eroded	2.8	0.1%
42C2	Frederick-Christian gravelly silt loams, 7 to 15 percent slopes, eroded	163.3	3.2%
42D2	Frederick-Christian gravelly silt loams, 15 to 25 percent slopes, eroded	129.1	2.6%
42E2	Frederick-Christian gravelly silt loams, 25 to 45 percent slopes	113.6	2.2%
43D	Frederick-Christian very gravelly silt loams, 15 to 25 percent slopes	15.9	0.3%
43E	Frederick-Christian very gravelly silt loams, 25 to 45 percent slopes	2.9	0.1%
44B2	Frederick-Christian silt loams, rocky, 2 to 7 percent slopes, eroded	27.8	0.5%
44C2	Frederick-Christian silt loams, rocky, 7 to 15 percent slopes, eroded	99.9	2.0%
44D2	Frederick-Christian silt loams, rocky, 15 to 25 percent slopes, eroded	37.4	0.7%
45C2	Frederick-Rock outcrop complex, 0 to 15 percent slopes, eroded	279.9	5.5%

Augusta County, Virginia (VA015)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
45E2	Frederick-Rock outcrop complex, 15 to 45 percent slopes, eroded	125.1	2.5%
46C	Frederick-Nixa complex, 7 to 15 percent slopes	5.0	0.1%
47C	Guemsey silt loam, 2 to 10 percent slopes	6.7	0.1%
53C	Jefferson cobbly fine sandy loam, 7 to 15 percent slopes.	0.7	0.0%
53D	Jefferson cobbly fine sandy loam, 15 to 25 percent slopes	9.9	0.2%
63B	Monongahela cobbly fine sandy loam, 0 to 7 percent slopes	0.1	0.0%
64C	Nixa very cherty silt loam, 2 to 15 percent slopes	4.5	0.1%
65E	Opequon-Rock outcrop complex, 7 to 45 percent slopes	11.3	0.2%
70C	Rock outcrop-Frederick complex, sloping	144.5	2.9%
70E	Rock outcrop-Frederick complex, steep	66.5	1.3%
74B2	Sequoia-Berks silt loams, 2 to 7 percent slopes, eroded	2.5	0.0%
74C2	Sequoia-Berks silt loams, 7 to 15 percent slopes, eroded	127.7	2.5%
74D2	Sequoia-Berks silt loams, 15 to 25 percent slopes, eroded	63.5	1.3%
75B2	Shenval loam, 2 to 7 percent slopes, eroded	4.4	0.1%
79B	Timberville silt loam, 0 to 7 percent slopes	343.9	6.8%
80B	Timberville gravelly silt loam, 0 to 7 percent slopes	28.1	0.6%
82	Udifluvents, loamy	13.7	0.3%
90D2	Weikert-Berks channery silt loams, 15 to 25 percent slopes, eroded	119.9	2.4%
90E3	Weikert-Berks channery silt loams, 25 to 50 percent slopes, severely eroded	104.0	2.1%
91C2	Wheeling silt loam, 7 to 15 percent slopes, eroded	11.3	0.2%
92B	Wheeling gravelly loam, 2 to 7 percent slopes	14.6	0.3%
W	Water	4.7	0.1%
Totals for Area of Interest		5,062.9	100.0%

Depth to Water Table

Depth to Water Table— Summary by Map Unit— Augusta County, Virginia (VA015)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
5	Aqualfs, nearly level	0	3.9	0.1%
9B2	Berks-Weiker channery silt loam, 2 to 7 percent slopes, eroded	>200	2.0	0.0%
9C2	Berks-Weiker channery silt loam, 7 to 15 percent slopes, eroded	>200	46.1	0.9%
10B2	Bookwood silt loam, 2 to 7 percent slopes, eroded	>200	78.8	1.6%
10C2	Bookwood silt loam, 7 to 15 percent slopes, eroded	>200	368.0	7.3%
10D2	Bookwood silt loam, 15 to 25 percent slopes, eroded	>200	240.0	4.7%
10E2	Bookwood silt loam, 25 to 45 percent slopes, eroded	>200	26.6	0.5%
11B	Buchanan fine sandy loam, 2 to 7 percent slopes	53	8.3	0.2%
22G2	Chilhowie-Edom complex, 7 to 15 percent slopes, eroded	>200	26.1	0.5%
23E3	Chilhowie-Edom channery silty clay loams, 15 to 45 percent slopes, severely eroded	>200	16.7	0.3%
24B2	Christian fine sandy loam, 2 to 7 percent slopes, eroded	>200	5.4	0.1%
24C2	Christian fine sandy loam, 7 to 15 percent slopes, eroded	>200	5.2	0.1%
24D2	Christian fine sandy loam, 15 to 25 percent slopes, eroded	>200	17.5	0.3%
25C2	Christian gravelly fine sandy loam, 7 to 15 percent slopes, eroded	>200	6.3	0.1%

Depth to Water Table—Augusta County, Virginia

Depth to Water Table— Summary by Map Unit — Augusta County, Virginia (VA015)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
25D2	Christian gravelly fine sandy loam, 15 to 25 percent slopes, eroded	>200	4.9	0.1%
30C2	Edom silt loam, 7 to 15 percent slopes, eroded	>200	11.2	0.2%
30D2	Edom silt loam, 15 to 25 percent slopes, eroded	>200	2.6	0.1%
32E2	Edom-Rock outcrop complex, 15 to 45 percent slopes, eroded	>200	8.0	0.2%
35B2	Endcav silt loam, 2 to 7 percent slopes, eroded	>200	31.3	0.6%
39	Fluvaquents, nearly level	0	202.3	4.0%
40B2	Frederick-Christian silt loams, 2 to 7 percent slopes, eroded	>200	612.2	12.1%
40C2	Frederick-Christian silt loams, 7 to 15 percent slopes, eroded	>200	862.2	17.0%
40D2	Frederick-Christian silt loams, 15 to 25 percent slopes, eroded	>200	249.6	4.9%
40E2	Frederick-Christian silt loams, 25 to 45 percent slopes, eroded	>200	13.3	0.3%
41B3	Frederick-Christian silty clay loams, 2 to 7 percent slopes, severely eroded	>200	2.0	0.0%
41C3	Frederick-Christian silty clay loams, 7 to 15 percent slopes, severely eroded	>200	71.2	1.4%
41D3	Frederick-Christian silty clay loams, 15 to 25 percent slopes, severely eroded	>200	55.9	1.1%
42B2	Frederick-Christian gravelly silt loam, 2 to 7 percent slopes, eroded	>200	2.8	0.1%
42C2	Frederick-Christian gravelly silt loams, 7 to 15 percent slopes, eroded	>200	163.3	3.2%

Depth to Water Table— Summary by Map Unit — Augusta County, Virginia (VA015)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
42D2	Frederick-Christian gravelly silt loams, 15 to 25 percent slopes, eroded	≥200	129.1	2.6%
42E2	Frederick-Christian gravelly silt loams, 25 to 45 percent slopes	≥200	113.6	2.2%
43D	Frederick-Christian very gravelly silt loams, 15 to 25 percent slopes	≥200	15.9	0.3%
43E	Frederick-Christian very gravelly silt loams, 25 to 45 percent slopes	≥200	2.9	0.1%
44B2	Frederick-Christian silt loams, rocky, 2 to 7 percent slopes, eroded	≥200	27.8	0.5%
44C2	Frederick-Christian silt loams, rocky, 7 to 15 percent slopes, eroded	≥200	99.9	2.0%
44D2	Frederick-Christian silt loams, rocky, 15 to 25 percent slopes, eroded	≥200	37.4	0.7%
45C2	Frederick-Rock outcrop complex, 0 to 15 percent slopes, eroded	≥200	279.9	5.5%
45E2	Frederick-Rock outcrop complex, 15 to 45 percent slopes, eroded	≥200	125.1	2.5%
46C	Frederick-Nixa complex, 7 to 15 percent slopes	61	5.0	0.1%
47C	Guemsey silt loam, 2 to 10 percent slopes	61	6.7	0.1%
53C	Jefferson cobbly fine sandy loam, 7 to 15 percent slopes	≥200	0.7	0.0%
53D	Jefferson cobbly fine sandy loam, 15 to 25 percent slopes	≥200	9.9	0.2%
63B	Monongahela cobbly fine sandy loam, 0 to 7 percent slopes	61	0.1	0.0%
64C	Nixa very cherty silt loam, 2 to 15 percent slopes	61	4.5	0.1%
65E	Opequon-Rock outcrop complex, 7 to 45 percent slopes	>200	11.3	0.2%

Depth to Water Table— Summary by Map Unit — Augusta County, Virginia (VA015)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
70C	Rock outcrop-Fredricks complex, sloping	>200	144.5	2.9%
70E	Rock outcrop-Fredricks complex, steep	>200	66.5	1.3%
74B2	Sequoia-Berks silt loams, 2 to 7 percent slopes, eroded	>200	2.5	0.0%
74C2	Sequoia-Berks silt loams, 7 to 15 percent slopes, eroded	>200	127.7	2.5%
74D2	Sequoia-Berks silt loams, 15 to 25 percent slopes, eroded	>200	63.5	1.3%
75B2	Shenval loam, 2 to 7 percent slopes, eroded	>200	4.4	0.1%
79B	Timberville silt loam, 0 to 7 percent slopes	>200	343.9	6.8%
80B	Timberville gravelly silt loam, 0 to 7 percent slopes	>200	28.1	0.6%
82	Udifluvents, loamy	61	13.7	0.3%
90D2	Weikert-Berks channery silt loams, 15 to 25 percent slopes, eroded	>200	119.9	2.4%
90E3	Weikert-Berks channery silt loams, 25 to 50 percent slopes, severely eroded	>200	104.0	2.1%
91C2	Wheeling silt loam, 7 to 15 percent slopes, eroded	>200	11.3	0.2%
92B	Wheeling gravelly loam, 2 to 7 percent slopes	>200	14.6	0.3%
W	Water	>200	4.7	0.1%
Totals for Area of Interest			5,062.9	100.0%

Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Augusta County, Virginia (VA015)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres In AOI	Percent of AOI
5	Aqualfs, nearly level	≥200	3.9	0.1%
9B2	Berks-Weiker channery silt loam, 2 to 7 percent slopes, eroded	76	2.0	0.0%
9C2	Berks-Weiker channery silt loam, 7 to 15 percent slopes, eroded	76	46.1	0.9%
10B2	Bookwood silt loam, 2 to 7 percent slopes, eroded	76	78.8	1.6%
10C2	Bookwood silt loam, 7 to 15 percent slopes, eroded	76	368.0	7.3%
10D2	Bookwood silt loam, 15 to 25 percent slopes, eroded	76	240.0	4.7%
10E2	Bookwood silt loam, 25 to 45 percent slopes, eroded	76	26.6	0.5%
11B	Buchanan fine sandy loam, 2 to 7 percent slopes	50	8.3	0.2%
22C2	Chilhowie-Edom complex, 7 to 15 percent slopes, eroded	56	26.1	0.5%
23E3	Chilhowie-Edom channery silty clay loams, 15 to 45 percent slopes, severely eroded	56	16.7	0.3%
24B2	Christian fine sandy loam, 2 to 7 percent slopes, eroded	≥200	5.4	0.1%
24C2	Christian fine sandy loam, 7 to 15 percent slopes, eroded	≥200	5.2	0.1%
24D2	Christian fine sandy loam, 15 to 25 percent slopes, eroded	≥200	17.5	0.3%
25C2	Christian gravelly fine sandy loam, 7 to 15 percent slopes, eroded	≥200	6.3	0.1%

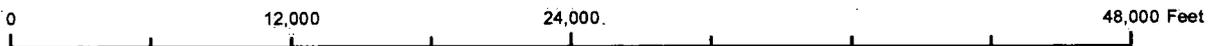
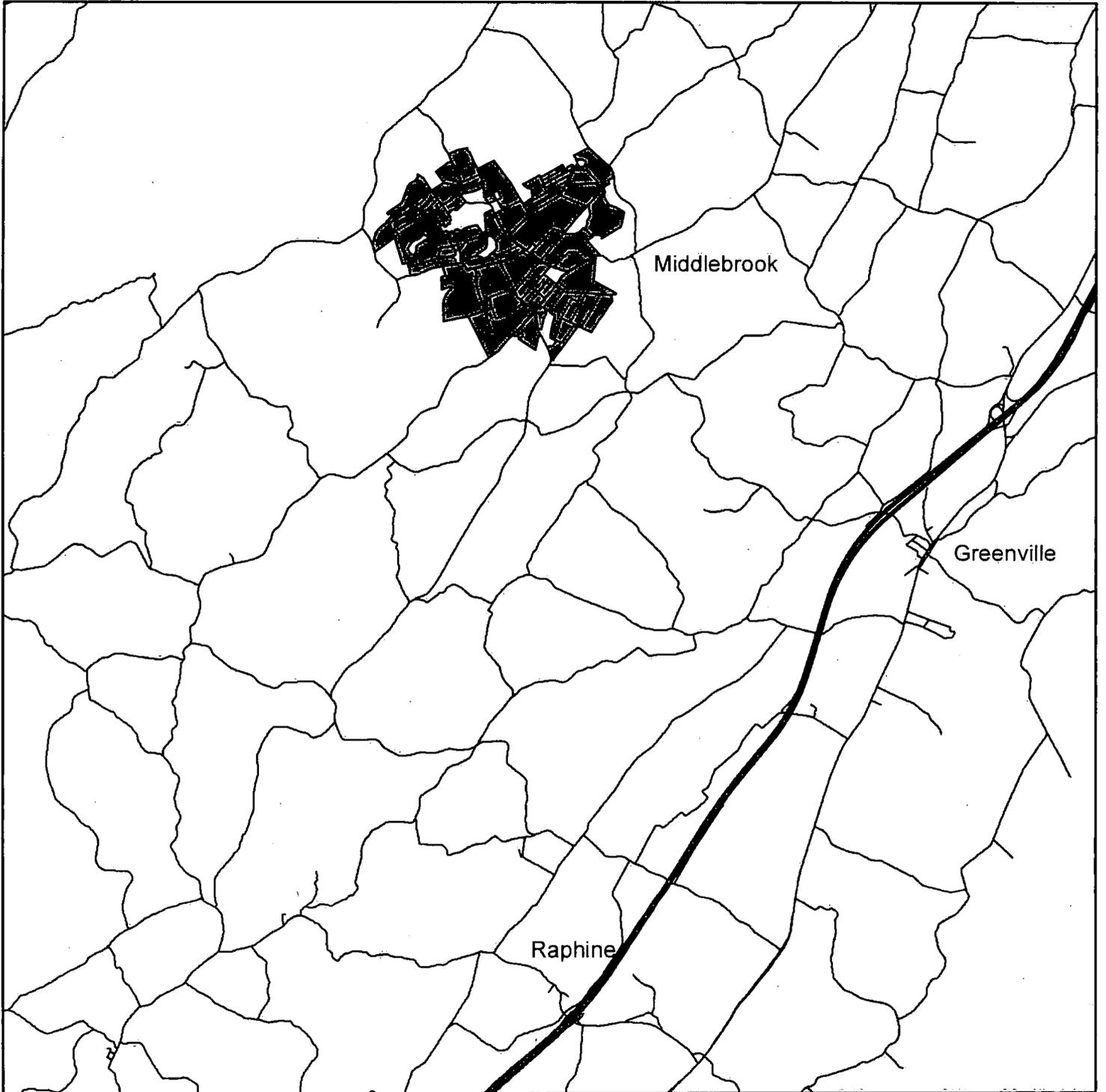
Depth to Any Soil Restrictive Layer—Summary by Map Unit — Augusta County, Virginia (VA015)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
25D2	Christian gravelly fine sandy loam, 15 to 25 percent slopes, eroded	≥200	4.9	0.1%
30C2	Edom silt loam, 7 to 15 percent slopes, eroded	178	11.2	0.2%
30D2	Edom silt loam, 15 to 25 percent slopes, eroded	178	2.6	0.1%
32B2	Edom-Rock outcrop complex, 15 to 45 percent slopes, eroded	178	8.0	0.2%
35B2	Endcav silt loam, 2 to 7 percent slopes, eroded	152	31.3	0.6%
39	Fluvaquents, nearly level	≥200	202.3	4.0%
40B2	Frederick-Christian silt loams, 2 to 7 percent slopes, eroded	≥200	612.2	12.1%
40C2	Frederick-Christian silt loams, 7 to 15 percent slopes, eroded	≥200	862.2	17.0%
40D2	Frederick-Christian silt loams, 15 to 25 percent slopes, eroded	≥200	249.6	4.9%
40E2	Frederick-Christian silt loams, 25 to 45 percent slopes, eroded	≥200	13.3	0.3%
41B3	Frederick-Christian silty clay loams, 2 to 7 percent slopes, severely eroded	≥200	2.0	0.0%
41C3	Frederick-Christian silty clay loams, 7 to 15 percent slopes, severely eroded	≥200	71.2	1.4%
41D3	Frederick-Christian silty clay loams, 15 to 25 percent slopes, severely eroded	≥200	55.9	1.1%
42B2	Frederick-Christian gravelly silt loam, 2 to 7 percent slopes, eroded	≥200	2.8	0.1%
42C2	Frederick-Christian gravelly silt loams, 7 to 15 percent slopes, eroded	≥200	163.3	3.2%

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Augusta County, Virginia (VA015)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
42D2	Frederick-Christian gravelly silt loams, 15 to 25 percent slopes, eroded	≥200	129.1	2.6%
42E2	Frederick-Christian gravelly silt loams, 25 to 45 percent slopes	≥200	113.6	2.2%
43D	Frederick-Christian very gravelly silt loams, 15 to 25 percent slopes	≥200	15.9	0.3%
43E	Frederick-Christian very gravelly silt loams, 25 to 45 percent slopes	≥200	2.9	0.1%
44B2	Frederick-Christian silt loams, rocky, 2 to 7 percent slopes, eroded	≥200	27.8	0.5%
44C2	Frederick-Christian silt loams, rocky, 7 to 15 percent slopes, eroded	≥200	99.9	2.0%
44D2	Frederick-Christian silt loams, rocky, 15 to 25 percent slopes, eroded	≥200	37.4	0.7%
45C2	Frederick-Rock outcrop complex, 0 to 15 percent slopes, eroded	≥200	279.9	5.5%
45E2	Frederick-Rock outcrop complex, 15 to 45 percent slopes, eroded	≥200	125.1	2.5%
46C	Frederick-Nixa complex, 7 to 15 percent slopes	38	5.0	0.1%
47C	Guernsey silt loam, 2 to 10 percent slopes	102	6.7	0.1%
53C	Jefferson cobbly fine sandy loam, 7 to 15 percent slopes	≥200	0.7	0.6%
53D	Jefferson cobbly fine sandy loam, 15 to 25 percent slopes	>200	9.9	0.2%
63B	Monongahela cobbly fine sandy loam, 0 to 7 percent slopes	71	0.1	0.0%
64C	Nixa very cherty silt loam, 2 to 15 percent slopes	38	4.5	0.1%
65E	Opequon-Rock outcrop complex, 7 to 45 percent slopes	38	11.3	0.2%

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Augusta County, Virginia (VA015)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
70C	Rock outcrop-Fredrick complex, sloping	0	144.5	2.9%
70E	Rock outcrop-Fredrick complex, steep	0	66.5	1.3%
74B2	Sequoia-Berks silt loams, 2 to 7 percent slopes, eroded	81	2.5	0.0%
74C2	Sequoia-Berks silt loams, 7 to 15 percent slopes, eroded	81	127.7	2.5%
74D2	Sequoia-Berks silt loams, 15 to 25 percent slopes, eroded	81	63.5	1.3%
75B2	Shenval loam, 2 to 7 percent slopes, eroded	>200	4.4	0.1%
79B	Timberville silt loam, 0 to 7 percent slopes	>200	343.9	6.8%
80B	Timberville gravelly silt loam, 0 to 7 percent slopes	>200	28.1	0.6%
82	Udifuvents, loamy	>200	13.7	0.3%
90D2	Weikert-Berks channery silt loams, 15 to 25 percent slopes, eroded	33	119.9	2.4%
90E3	Weikert-Berks channery silt loams, 25 to 50 percent slopes, severely eroded	33	104.0	2.1%
91C2	Wheeling silt loam, 7 to 15 percent slopes, eroded	>200	11.3	0.2%
92B	Wheeling gravelly loam, 2 to 7 percent slopes	>200	14.6	0.3%
W	Water	>200	4.7	0.1%
Totals for Area of Interest			6,062.9	100.0%

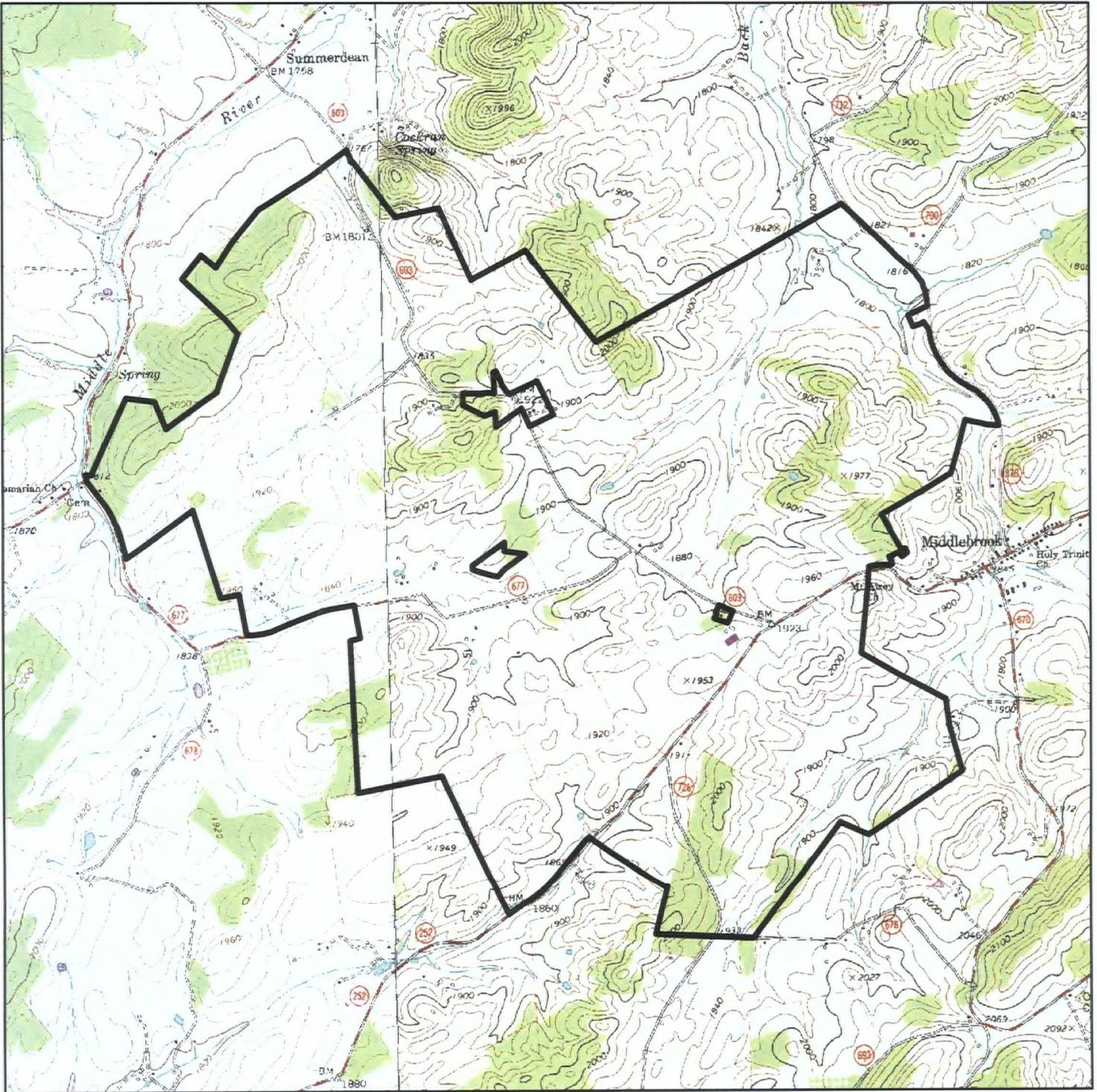
Site: MIDDLEBROOK
Owner: Middlebrook Farms, LLC
Operator: Matt Eavers

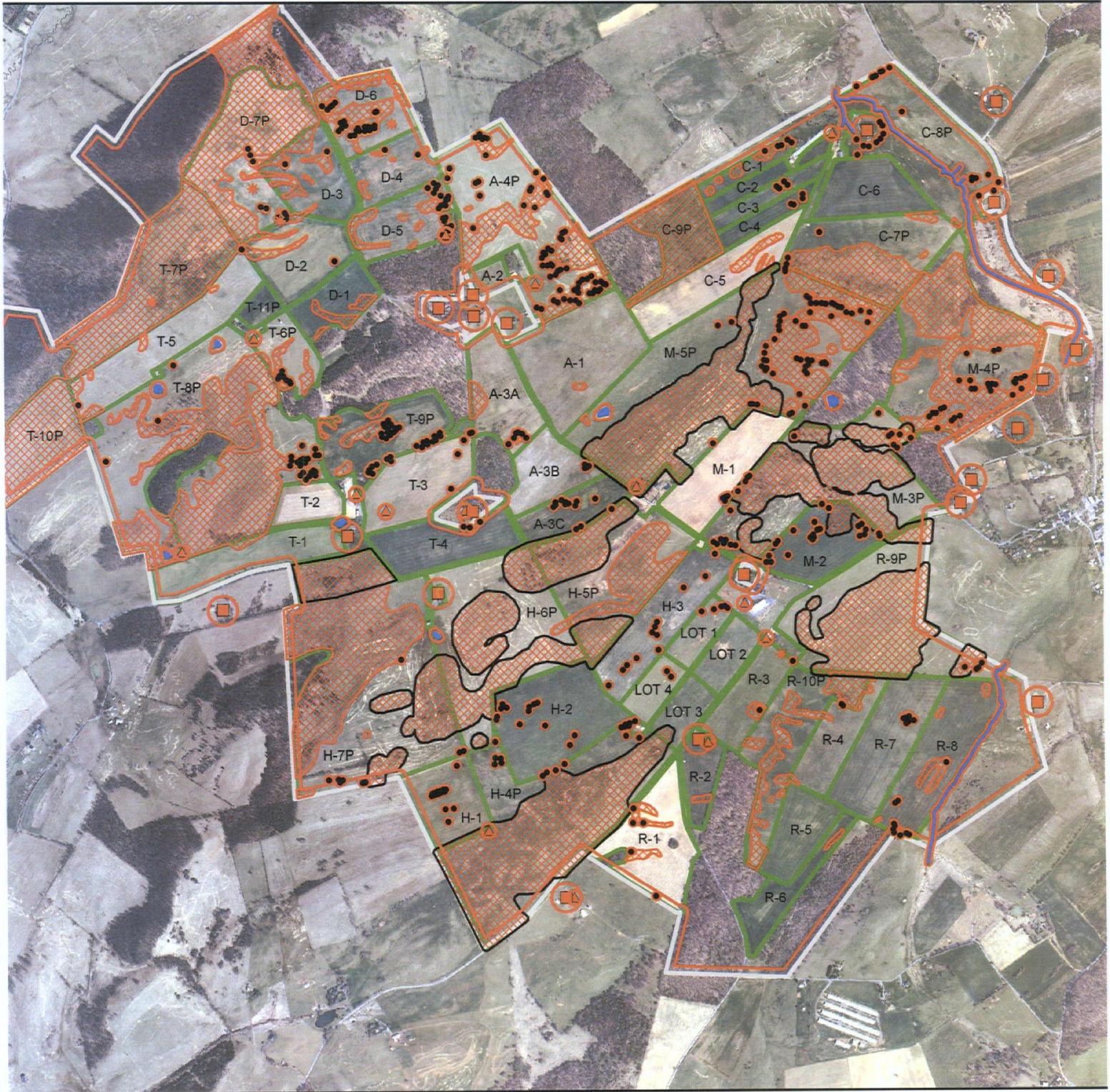
General Location Map



Site: MIDDLEBROOK
Owner: Middlebrook Farms, LLC
Operator: Matt Eavers

Topographic Map





	MBF Houses (200' buffer)		MBF Ponds (100' buffer or 35' vegetated)
	MBF Wells (100' buffer)		MBF Steep Land with Rocks (50' buffer)
	MBF Rocks (50' buffer)		MBF Steep Land
	MBF Closed Sinkholes (25' buffer)		MBF Property Lines (100' buffer)
	MBF Streams (100' buffer or 35' vegetated)		MBF Fields

