

GILLIAM, DUANE FARM

VIRGINIA POLLUTION ABATEMENT APPLICATION

FORM D

MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 6-17-08 between Duane Gilliam referred to here as "landowner", and Nutri Blend, referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as 9262 2705 2669 ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and 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;
2. 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. 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, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;
4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids 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 to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;
5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).
6. 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 the permitting authority.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Landowner:

Duane D. Gilliam

Mailing Address:

5350 Stage Road
Concord Va. 24538

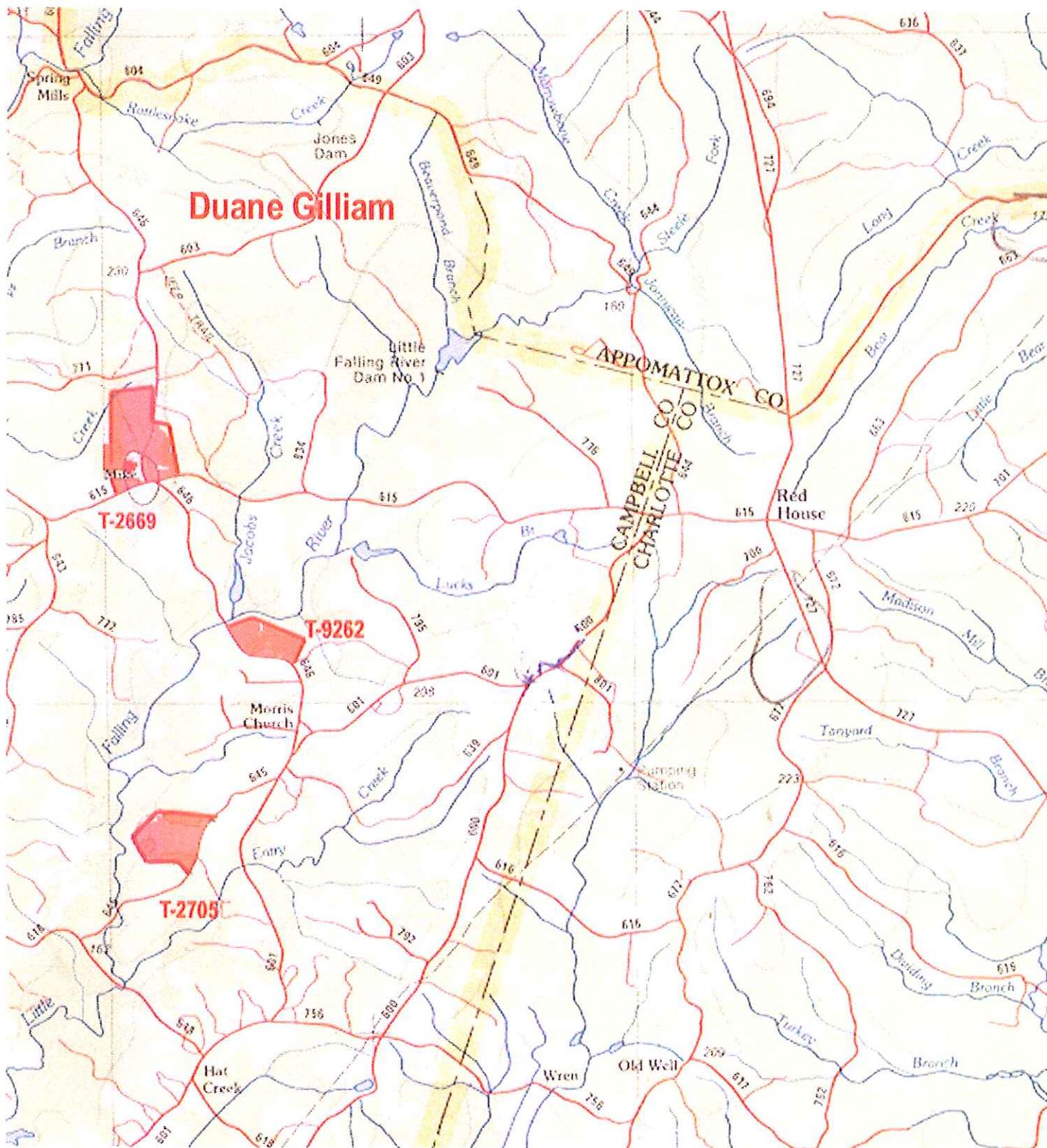
Permittee:

Nutri Blend

Mailing Address:

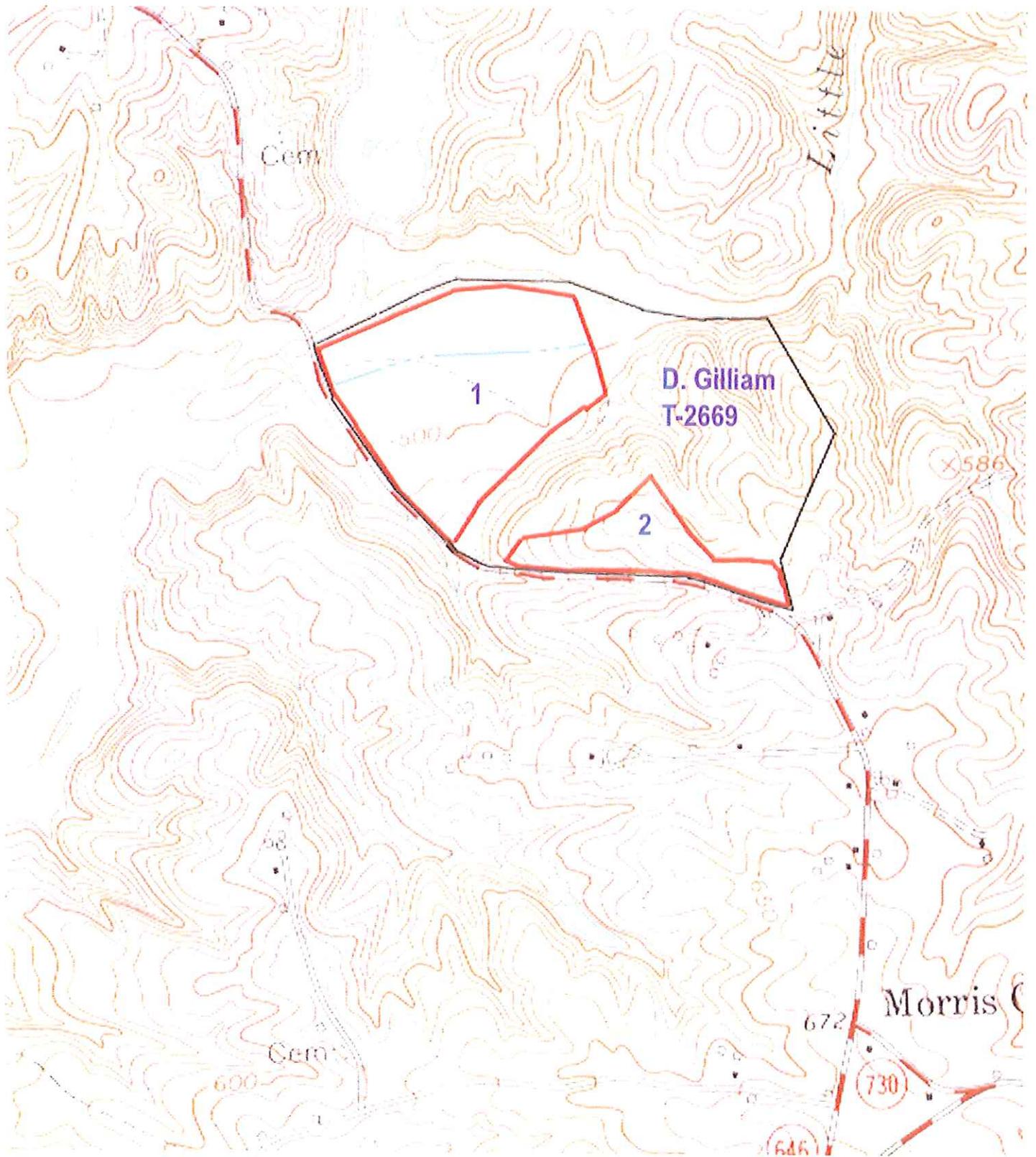
NutriBlend

BIOSOLIDS LAND APPLICATION



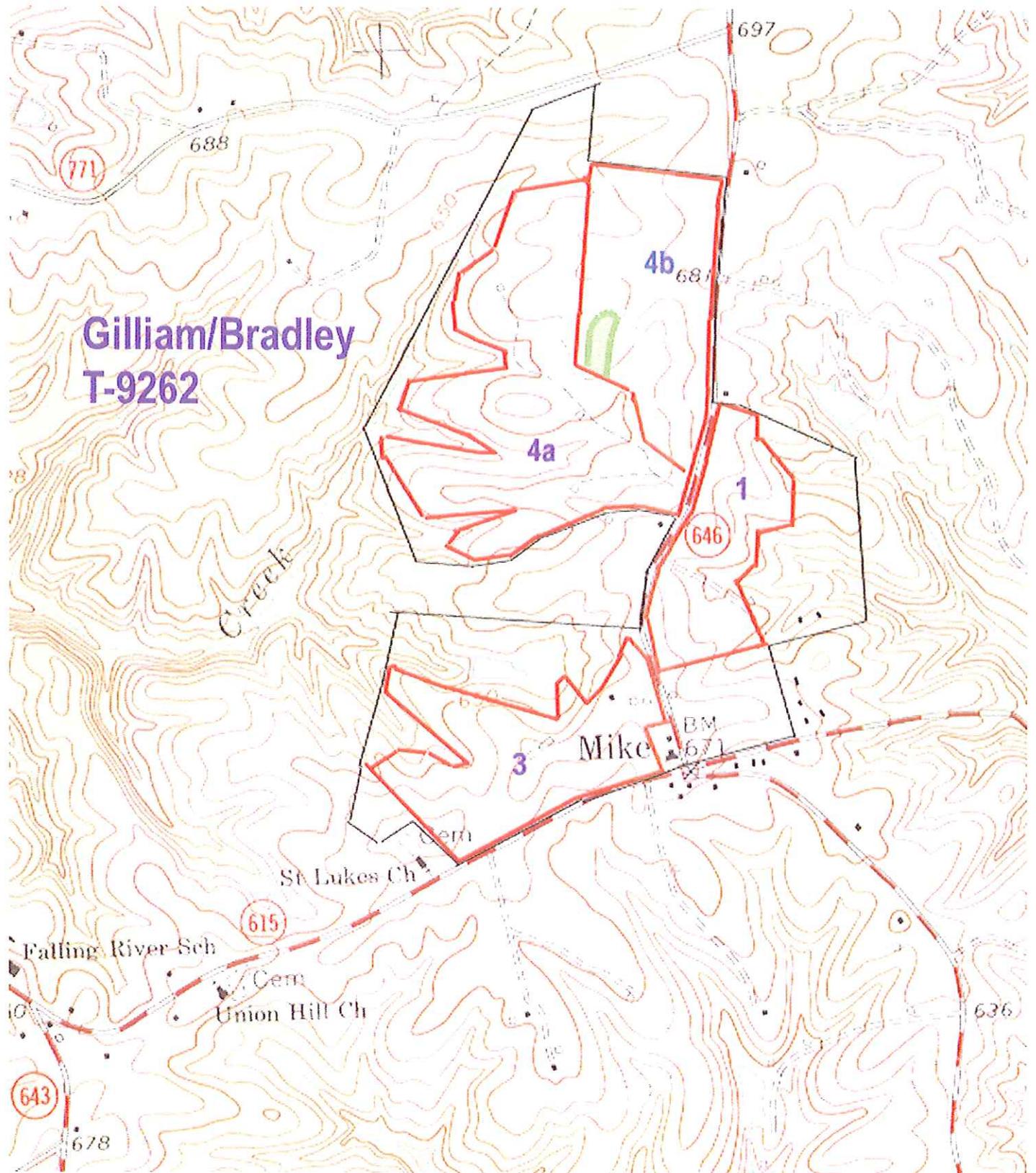
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BIOSOLIDS LAND APPLICATION



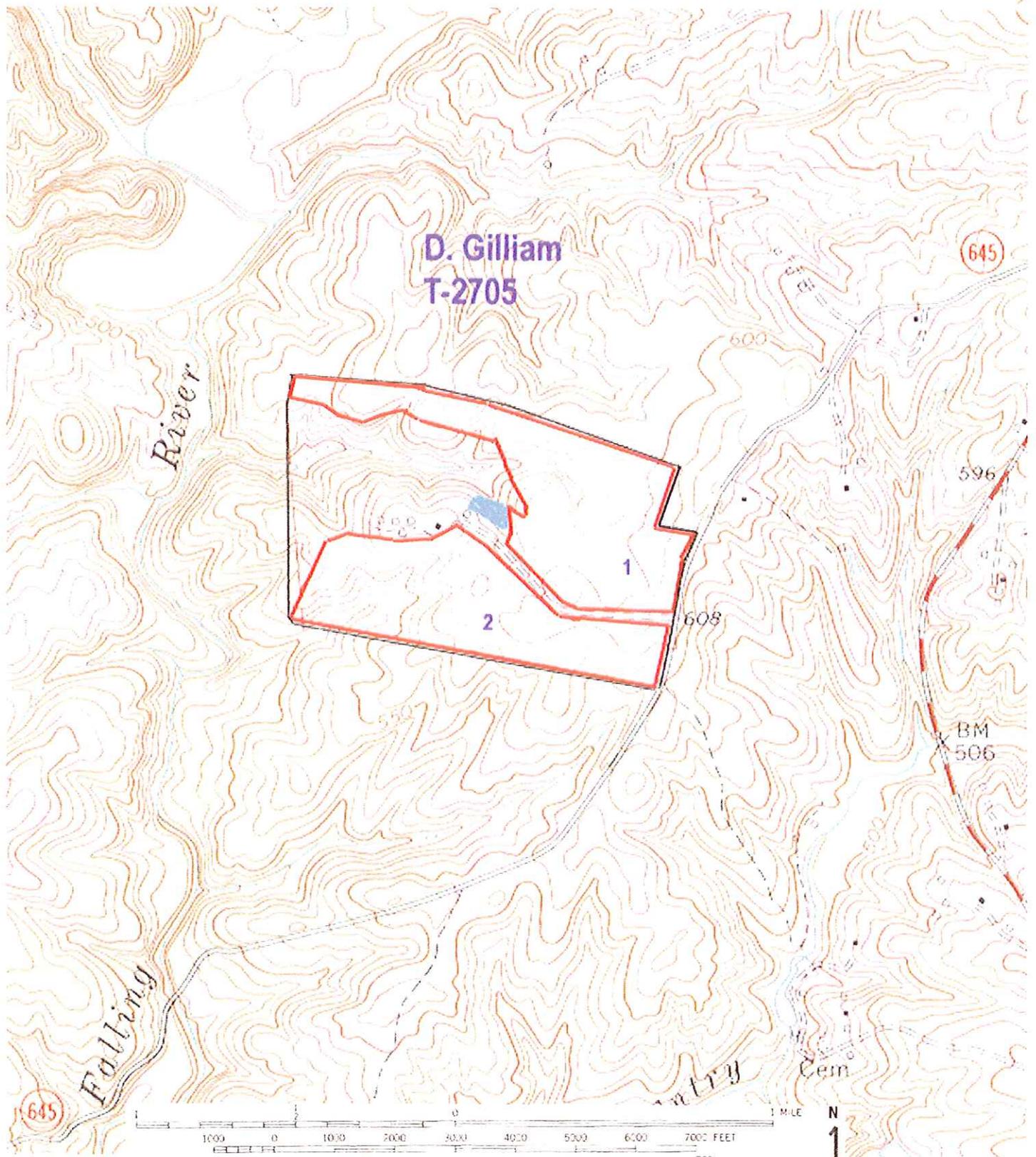
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BIO SOLIDS LAND APPLICATION



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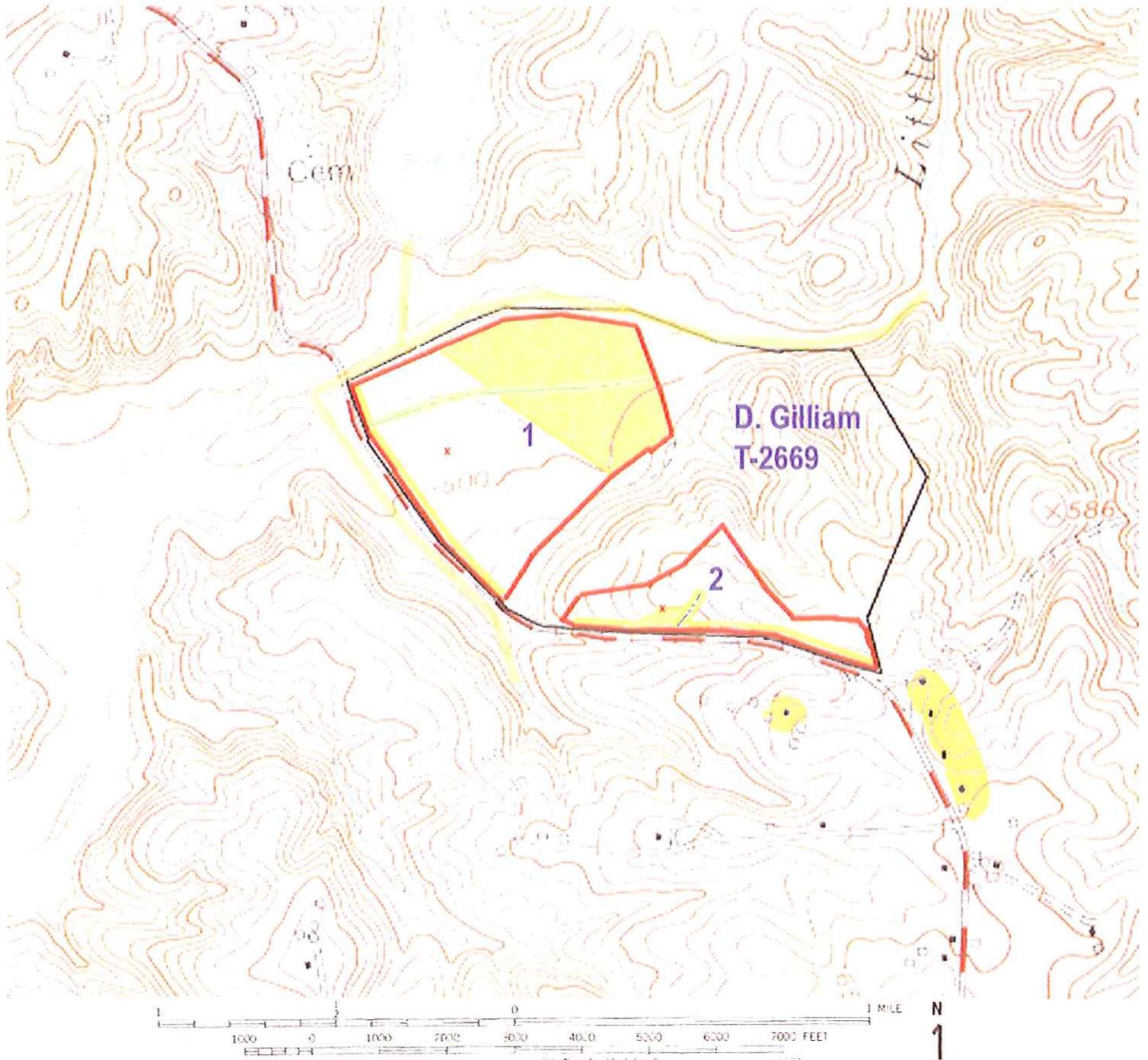
BIOSOLIDS LAND APPLICATION



**GILLIAM, DUANE FARM
T-2669**

NutriBlend

BIOSOLIDS LAND APPLICATION



- | | | |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|  Buffer Area |  Road |  Property Line |
|  Dwelling/Structure |  Intermittent stream |  Water |
|  Field Coordinate Location |  Undeveloped Road |  Wooded Area |
| |  Fence |  Rock Outcrop |

**DUANE GILLIAM FARM
TRACT T-2669
FIELD DATA SHEET**

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	38.8	33.4	Ch* Chewacla loam, 0-2% slopes DoB Dogue fine sandy loam, 2-6% slopes DoA Dogue fine sandy loam, 0-2% slopes Fo Forestdale silt loam, 0-2% slopes StA State fine sandy loam, 0-2% slopes MtB Masada loam, 0-4% slopes	IIa	I
2	12.0	9.2	CxC3 Cullen clay loam, 6-15% slopes CxE3 Cullen clay loam, 15-25% slopes CuB Cullen loam, 2-6% slopes AgB Abell fine sandy loam, 0-4% slopes	IIb	II
SUM	50.8	42.6			

FIELD	LATITUDE	LONGITUDE
1	37°10.54	78°53.76
2	37°10.34	78°53.47

Report Number:
R08351-0019

Account Number:
73874

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9012 - D GILLIAM
TRACT 2669

Submitted By: TAMESHA CROCHET

Farm ID: Field ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 1 Date Received: 12/16/2008 Date of Analysis: 12/17/2008 Date of Report: 12/18/2008

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium K	Magnesium MG	Calcium CA		Sodium NA		pH		Acidity H	C.E.C.			
		%	ENR lbs/A	Available ppm	Reserve ppm			Rate	Rate	Rate	Rate	Rate	Rate			Soil pH	Buffer Index	meq/100g
1	10348	2.0	79	L	120	VH	89	M	110	M	1160	H	6.5	6.9	0.6	7.5		
2	10349	1.9	78	L	118	VH	80	M	100	M	1110	H	6.5	6.9	0.5	7.1		
Sample Number	Percent Base Saturation						Nitrate NO3-N	Sulfur SO4-S	Zinc ZN	Manganese MN	Iron FE	Copper CU	Boron B		Soluble Salts		Chloride CL	Aluminum AL
	K %	Mg %	Ca %	Na %	H %								Rate	Rate	Rate	Rate		
1	3.0	12.2	77.3		7.4													
2	2.9	11.7	78.0		7.4													

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

by: Paul Chu, Ph.D.

Report Number:
R08351-0019
Account Number:
73874

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

For: PO#9012 - D GILLIAM
TRACT 2669

Copy To: TAMESHA CROCHET

Date Received: 12/16/2008
Date Reported: 12/18/2008

SOIL FERTILITY RECOMMENDATIONS

Page: 1

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P205 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.0	0	0	0	0						
2	Adj pH To 6.8		1.0	0	0	0	0						

Samples 1.2: Apply dolomitic lime to raise pH and improve the magnesium level.

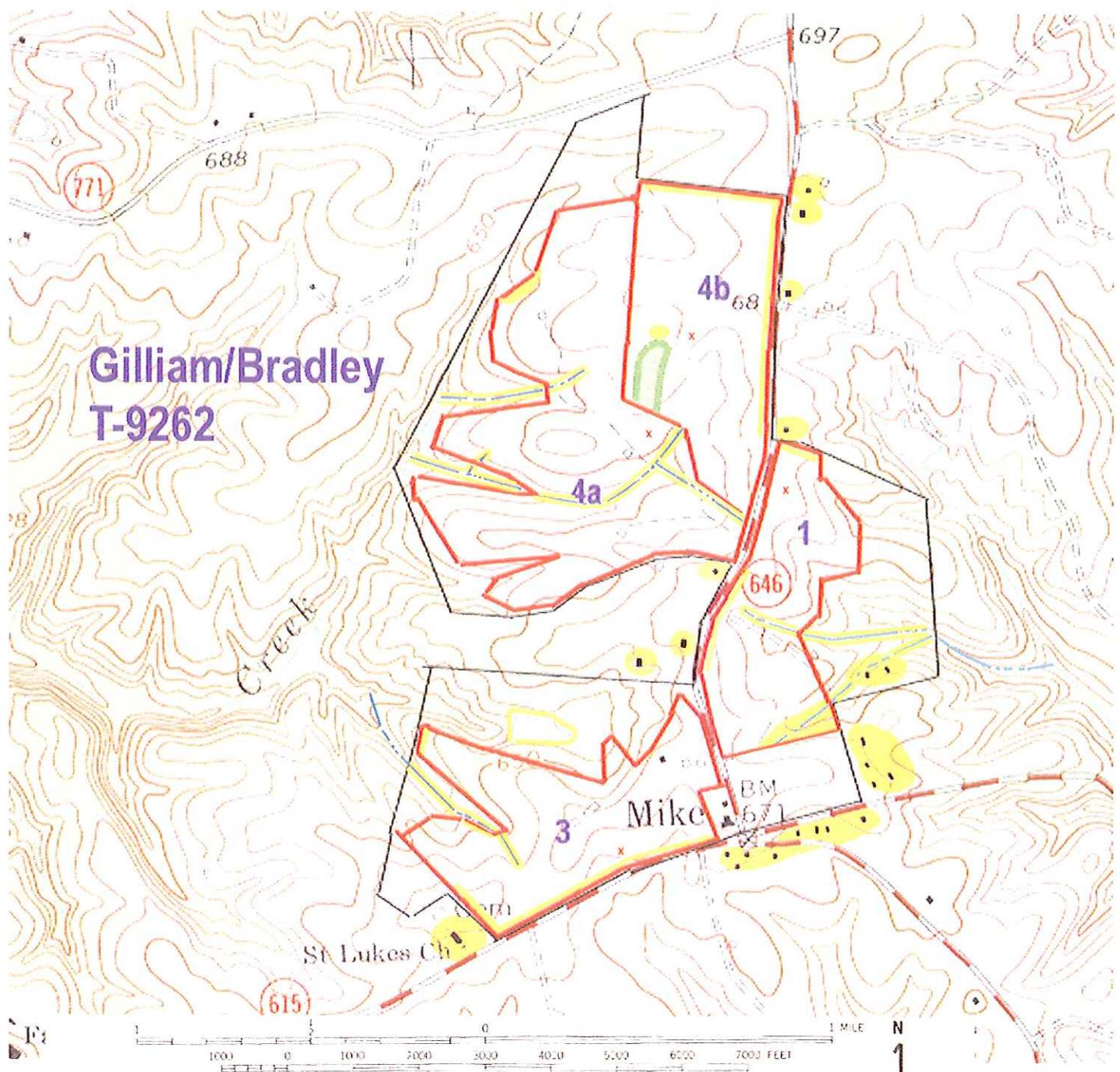
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Paul Chu, Ph.D.

GILLIAM, DUANE FARM
T-9262

NutriBlend

BIOSOLIDS LAND APPLICATION



- | | | |
|---------------------------|---------------------|---------------|
| Buffer Area | Road | Property Line |
| OR Dwelling/Structure | Intermittent stream | Water |
| Field Coordinate Location | Undeveloped Road | Wooded Area |
| Fence | | Rock Outcrop |

DUANE GILLIAM FARM
TRACT T-9262
FIELD DATA SHEET

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	30.1	28.0	GrB* Georgeville-Brockroad loams, 2-6 slopes GeB2 Georgeville loam, 2-6% slopes GeC2 Georgeville loam, 6-15% slopes TIC2 Tatum loam, 6-15% slopes NaC Nason loam, 6-15% slopes	IVa	II
3	38.9	35.5	GeB2* Georgeville loam, 2-6% slopes GeC2 Georgeville loam, 6-15% slopes GrB Georgeville-Brockroad loams, 2-6 slopes TIC2 Tatum loam, 6-15% slopes CcC2 Cecil fine sandy loam, 7-15% slopes	IVa	I
4a	67.9	66.0	GrB* Georgeville-Brockroad loams, 2-6 slopes GeC2 Georgeville loam, 6-15% slopes TIC2 Tatum loam, 6-15% slopes	IVa	II
4b	43.8	40.5	GrB* Georgeville-Brockroad loams, 2-6 slopes GeC2 Georgeville loam, 6-15% slopes	IVa	II
SUM	180.7	170			

FIELD	LATITUDE	LONGITUDE
1	37*11.98	78*54.54
3	37*11.61	78*54.72
4a	37*12.06	78*54.66
4b	37*12.23	78*54.64

Report Number:
R08345-0028
Account Number:
73874

A&L Eastern Laboratories, Inc.
7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9011/GILLIAM/BRADLEY
TRACT 9262

Submitted By: TAMESHA C

Farm ID: Field ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 1 Date Received: 12/10/2008 Date of Analysis: 12/11/2008 Date of Report: 12/12/2008

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium K ppm	Magnesium MG ppm	Calcium CA ppm	Sodium NA ppm	pH		Acidity H meq/100g	C.E.C. meq/100g	
		% ENR lbs/A	Rate	Available ppm	Reserve ppm					Rate	Rate			Rate
1	7261	2.9	101 M	16	L	83	M	540	M	5.8	6.8	0.9	4.9	
3	7262	2.6	96 M	15	L	169	H	410	L	5.6	6.8	1.0	4.5	
4A	7263	2.9	101 M	17	L	159	H	560	M	5.9	6.8	0.9	5.2	
4B	7264	2.6	95 M	18	L	136	H	550	M	6.1	6.9	0.7	4.8	
Sample Number	Percent Base Saturation				Nitrate NO3-N ppm	Sulfur SO4-S ppm	Zinc ZN ppm	Iron FE ppm	Copper CU ppm	Boron B ppm	Soluble Salts		Chloride CL ppm	Aluminum AL ppm
	K %	Mg %	Ca %	Na %							Rate	Rate		
1	4.3	22.0	54.7		19.0									
3	9.7	21.4	45.7		23.3									
4A	7.8	21.5	53.5		17.2									
4B	7.2	22.4	56.7		13.7									

Values on this report represent the plant available nutrients in the soil. Rating after each value: V (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by: A & L EASTERN LABORATORIES, INC.

by: *Paul Chu* Paul Chu, Ph.D.

Report Number:
R08345-0028
Account Number:
73874

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To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

For: PO#9011/GILLIAM/BRADLEY
TRACT 9262
Copy To: TAMESHA C

Date Received: 12/10/2008
Date Reported: 12/12/2008

SOIL FERTILITY RECOMMENDATIONS

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.5	0	0	0	0						
3	Adj pH To 6.8		1.8	0	0	0	0						
4A	Adj pH To 6.8		1.5	0	0	0	0						
4B	Adj pH To 6.8		1.3	0	0	0	0						

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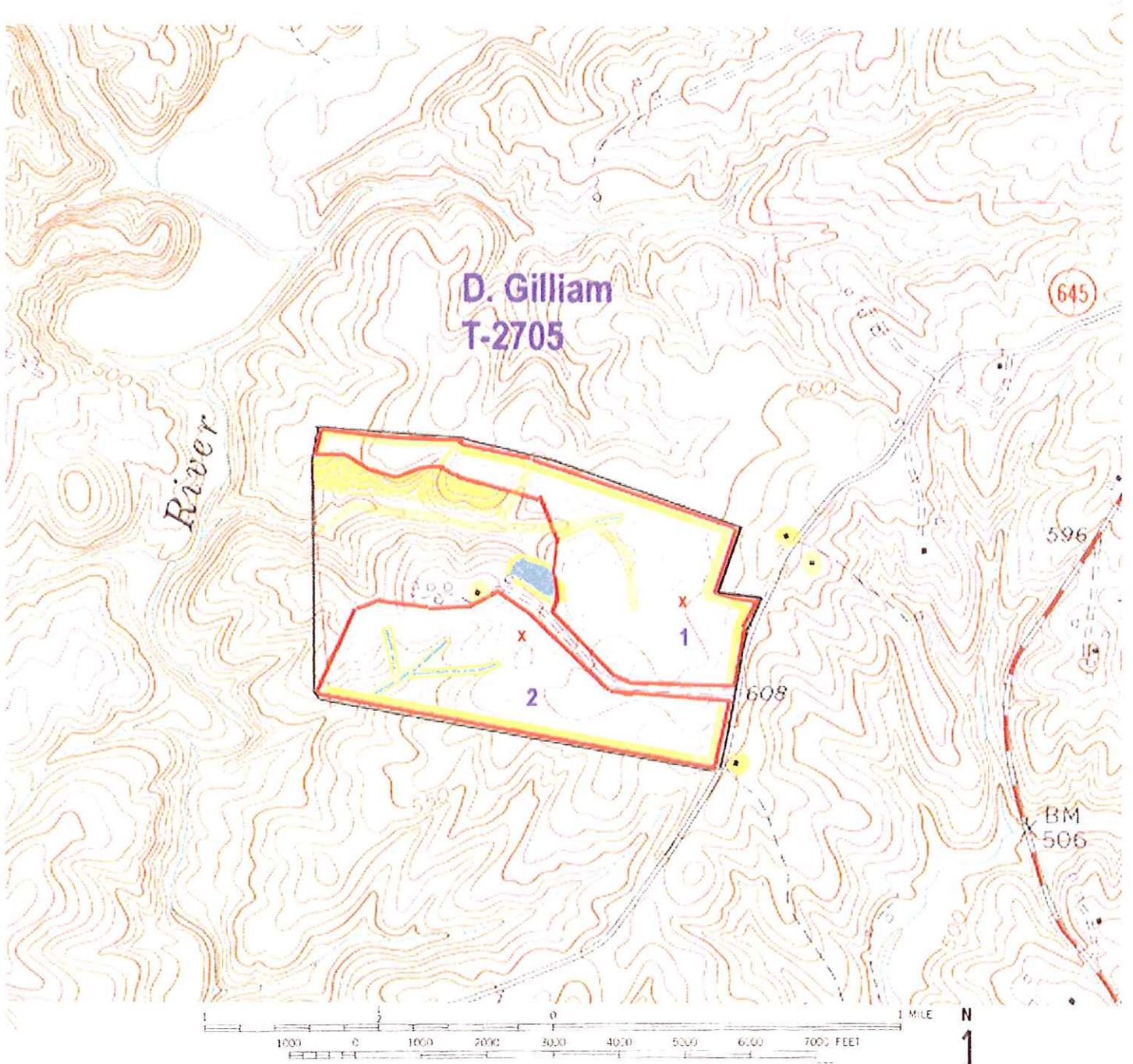
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Paul Chu, Ph.D.

**GILLIAM, DUANE FARM
T-2705**

NutriBlend

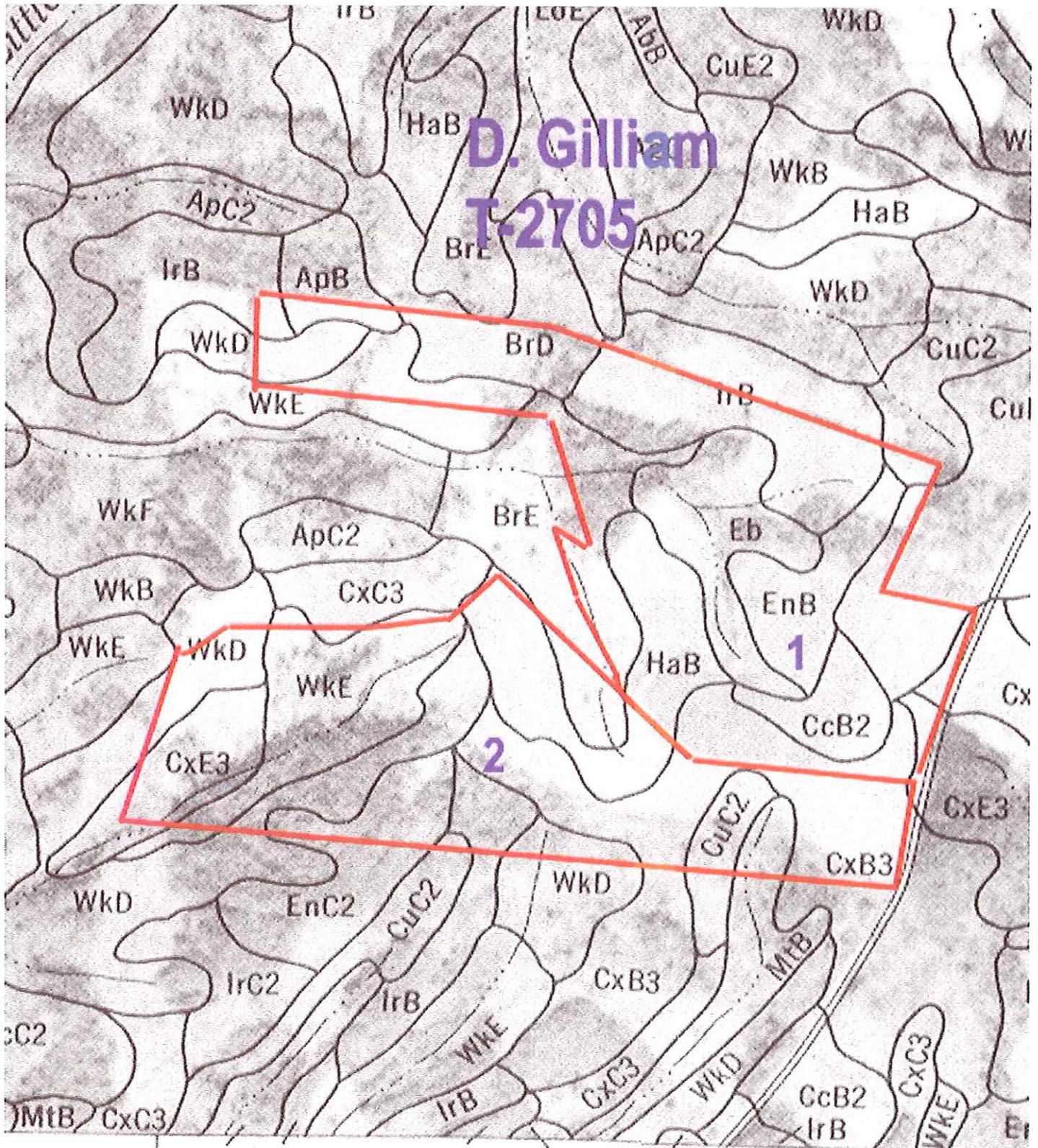
BIOSOLIDS LAND APPLICATION



- | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  Buffer Area |  Road |  Property Line |
|  or  Dwelling/Structure |  Intermittent stream |  Water |
|  Field Coordinate Location |  Undeveloped Road |  Wooded Area |
| |  Fence |  rck Rock Outcrop |

NutriBlend

BIOSOLIDS LAND APPLICATION



**DUANE GILLIAM FARM
TRACT T-2705
FIELD DATA SHEET**

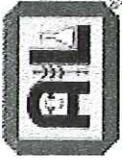
Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	35.4	31.4	HaB* Helena fine sandy loam, 2-6% slopes EnB Enon fine sandy loam, 2-6% slopes Eb Elbert loam CcB2 Cecil fine sandy loam, 2-6% slopes IrB Iredell loam, 2-6% slopes CxB3 Cullen clay loam, 2-6% slopes BrD Bremono loam, 6-15% slopes WkD Wilkes loam, 6-15% slopes WkE Wilkes loam, 15-25% slopes BrE Bremono loam, 15-25% slopes	V	IV
2	37.1	34.0	CxB3* Cullen clay loam, 2-6% slopes CxE3 Cullen clay loam, 15-25% slopes HaB Helena fine sandy loam, 2-6% slopes WkE Wilkes loam, 15-25% slopes WkD Wilkes loam, 6-15% slopes CuC2 Cullen loam, 6-15% slopes EnC2 Enon fine sandy loam, 6-15% slopes	IIb	II
SUM	72.5	65.4			

FIELD	LATITUDE	LONGITUDE
1	37°08.93	78°54.19
2	37°08.91	78°54.22

Report Number:
R08351-0020

Account Number:
73874

A&L Eastern Laboratories, Inc.
7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
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Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9012 - D GILLIAM
TRACT 2705

Submitted By: TAMESHA CROCHET

Farm I D: Field I D:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 1 Date Received: 12/16/2008 Date of Analysis: 12/17/2008 Date of Report: 12/18/2008

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium K ppm	Magnesium MG ppm	Calcium CA ppm	Sodium NA ppm	pH		Acidity H meq/100g	C.E.C. meq/100g				
		%	ENR lbs/A	Available ppm	Reserve ppm					Soil pH	Buffer Index						
1	10350	3.2	100	60	H	57	L	270	H	1210	M	6.3	6.8	1.0	9.4		
2	10351	2.8	93	46	M	131	H	305	VH	890	M	5.9	6.8	1.5	8.8		
Sample Number	Percent Base Saturation						Nitrate NO3-N ppm	Sulfur SO4-S ppm	Zinc ZN ppm	Manganese MN ppm	Iron FE ppm	Copper CU ppm	Boron B ppm	Soluble Salts ms/cm		Chloride CL ppm	Aluminum AL ppm
	K %	Mg %	Ca %	Na %	H %	Rate								Rate	Rate		
1	1.5	23.8	64.1		10.6												
2	3.8	28.7	50.3		17.2												

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),
ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by: Paul Chu, Ph.D.

Report Number:
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 Account Number:
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 RICHMOND, VA 23231

For: PO#9012 - D GILLIAM
 TRACT 2705

Copy To: TAMESHA CROCHET

Date Received: 12/16/2008
 Date Reported: 12/18/2008

SOIL FERTILITY RECOMMENDATIONS

Page: 1

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.0	0	0	0	0						
2	Adj pH To 6.8		1.8	0	0	0	0						

ALL-966

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Paul Chu
 Paul Chu, Ph.D.