LAND APPLICATION SITE WILLIAM S. KILLPACK DWWSK 1-5 DINWIDDIE COUNTY

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION

FC	ORM D: MU	NICIPAL EFF	LUENT AND BIO	DSOLIDS
PART D-VI: LAND APPL	ICATION A	GREEMENT - B	IOSOLIDS AND II	NDUSTRIAL RESIDUALS
here as "Landowner", and Re until it is terminated in writing the event of a sale of one or	ecyc Systems, by either part more parcels, hanges, those	Iric, referred to he yor, with respect until ownership or parcels for which	ere as the "Permitte to those parcels that if all parcels change in ownership has cha	Lican 5-Killpack referred to e". This agreement remains in effect at are retained by the Landowner in s. If ownership of individual parcels anged will no longer be authorized to
Landowner: The Landowner is the owner agricultural, silvicultural or redocumentation identifying owners.	clamation site	s identified below	ncated in Dimuil in Table 1 and iden	Virginia, which includes the tified on the tax map(s) with county
Table 1,: Parcels aut	norized to rece	eive biosolids, wa	ter treatment residu	als or other industrial sludges
Tax Parcel ID	Tax P	arcel ID	Tax Parcel ID	Tax Parcel ID
78-5A		2.		
	====			
☐ Additional parcels containing	Land Application	Sites are identified o	on Supplement A (check i	f applicablé)
In the event that the Landow within 38 months of the lates 1. Notify the purchaser than the date of the part of this the Landowner has no other notify the Permittee immedia application or any part of this the Landowner hereby grant agricultural sites identified at inspections on the land ident purpose of determining compurpose of determining computed in the part of the part	ndowner is on the sells or trait date of bioso or transferee property transfor the sale with agreements of the sell if condition agreement be separated above, be sellance with represent the sellance with represent residuals.	e of multiple owners all or part lids application, to fine applicable for; and hin two weeks follow the comes invalid or to the Permittee to the Permittee to the point of the	he Landowner shall: public access and collowing property trans on on the fields idented that the fields are not the information here of land apply residuated downer also grants processing waste	identified herein. nich biosolids have been applied rop management restrictions no later sfer. ified herein. The Landowner will longer available to the Permittee for ein contained becomes incorrect. Its as specified below, on the permission for DEQ staff to conduct of permitted residuals for the
William S. Killpach By: Title*	5 (N) Pho	307 Lenni Le Kenhey, 1 one No. 804-5	14 2387Z 84-0633	William S. Killpoot
				Trustee or Power of attorney, etc.
*☐ I certify that I am a responsib proprietorship, LLC, municipality,			on behalf of the follow	ing corporation, partnership,
authorized by the VPA Permit R prepared for each land applicati The Permittee agrees to notify t	egulation and in on field by a pe he Landowner o	n amounts not to ex rson certified in acc or the Landowner's	ceed the rates identifice ordance with §10.1-10 designee of the propo	is on the Landowner's land in the manner ed in the nutrient management plan 04.2 of the Code of Virginia. sed schedule for land application and the the source of residuals to be applied.
Printed name		Mailing Address		Permittee- Authorized Representative
Susan Trumbo Title Technical Mana	ger	PO Box 562, Reming Phone No. 540-54	gton Virginia 22734 47-3300	Signature

Permittee: Recyc Systems, Inc County or City: Dip widdie
Landowner: William S. Killpack
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:
 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.
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 Ilvestock 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;
 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;
 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 blosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).
William S. Killport 12/16/2023
Landowner's Signature Date
5307 Lennie Rd.
McKenney.VA. 23872
Same as above 804-584-0633 12/16/23
Operator's Signature mailing address & phone Date

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

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:

Recyc Systems, Inc.

Site Name:

William S. Killpack

County or City:

Dinwiddie Co.

Please Print

Signature not required on this page

Tax Parcel ID(s)	Landowner(s)
78-5A	William S. Killpack
	20

FARM DATA SHEET

SITE NAME:	William S. Killpack	COUNTY:	Dinwiddie
OWNER:	William S. Killpack	OPERATOR:	William S. Killpack
OWNER'S	5307 Lennie Road	OPERATOR'S	5307 Lennie Road
ADDRESS:	McKenney, VA 23872	ADDRESS:	McKenney, VA 23872
OWNER'S TELEPHONE:	804-584-0633	OPERATOR'S TELEPHONE:	'ବ
GENERAL FARM TYPE:	Нау	CELL PHONE:	804-584-0633
# CATTLE:	None	EMAIL:	Killpack500@hotmail.com
LAGOON or SLURRY:	None	LATITUDE:	36.995
TOPO QUAD:	Warfield	LONGITUDE:	-77.810
COMMENTS:		METHOD OF DETERMINATION:	Online Maps
Please check all fi	elds for rock outcrop and dr	ainage areas prior	to field operations.
			1-2-24 BB

RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	Gross Environmentally Se			Soils		Tax	FSA	FSA
Identification	Acres	Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood	Hydro Map	Мар#	Tract#	Field #
DWWSK 01	4.0	:	÷.	¥	-	CU 11	78-5A	None	None
DWWSK 02	3.7	===	=	-	=	CU 11	78-5A	None	None
DWWSK 03	9.0	· ==	71	ā	槽	CU 11	78-5A	None	None
DWWSK 04	4.9	(4)	= 1	3	ž	CU 11	78-5A	None	None
DWWSK 05	11.4	16A NovApr.	iii	=	2	CU 11	78-5A	None	None
TOTAL ACRES IN SITE	33.0								

NUTRIENT MANAGEMENT PLAN IDENTIFICATION

Operator

William S. Killpack 5307 Lennie Road McKenney, VA 23872 804-584-0633

Integrator:None

Farm Coordinates

Easting: 0, Northing: 0, zone: 17

Watershed Summary

watershed: CU11 county: Dinwiddie

Nutrient Management Planner

John Doe 123 Main St. Suite #5 Blacksburg, VA 24060

Certification Code: 892

Acreage Use Summary

Total Acreage in this plan: 33.

Cropland: 0.
Hayland: 33.
Pasture: 0.
Specialty: 0.

Livestock Summary

Beef Cattle 0
Dairy Cattle 0
Poultry 0
Swine 0
Other 0

Manure Production Balance

	Imported	Produced	Exported	Used	Net
kgals	0.	0.	0.	0.	0.
tons	0.	0.	0.	0.	0.

Plan written 1/2/2024 Valid until 1/2/2026

Signature:		
•	Planner	date

Nutrient Management Plan Balance Sheet (Spring, 2024-Summer, 2026) William S. Killpack Planner: John Doe (cert. No. 892)

Tract: None Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Сгор	Needs N-P-K (Ibs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
None/DWWSK 1(N)	4/4	2024	Fescue grass hay mt.	70-50-95	0/0			-	70-50-95	N/A			
None/DWWSK 2(N)	4/4	2024	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			
None/DWWSK 3(N)	9/9	2024	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			
None/DWWSK 4(N)	5/5	2024	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			
None/DWWSK 5(N)	11/11	2024	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K20	Lab	Soil pH	Lime Date	rec. lime tons/Ac
None	DWWSK 1	4	[No Test]	- ·					
None	DWWSK 2	4	[No Test]				6		
None	DWWSK 3	9	[No Test]						
None	DWWSK 4	5	[No Test]						
None	DWWSK 5	11	[No Test]						

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
None	None/Non e	DWWSK 1	4	Appling	IVa	U	III	111	
	None/Non e	DWWSK 2	4	Appling	IVa	II	III	III	
		DWWSK 3	9	Appling	IVa	Įį.	Ш	m	
	_	DWWSK 4	5	Appling	IVa	0	Ш	111	
	-	DWWSK 5	11	Appling	IVa	II	III	Ш	

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
	>170	>80	>64	>6	>4.0
	150-170	70-80	56-64	4-6	3.5-4.0
II	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan:

New Plan

Spring, 2024 - Summer, 2026

Farm Name:

William S. Killpack

Location: Specialist: Dinwiddie John Doe

N-based Acres: 33.0 P-based Acres: 0.0

Tract Name: FSA Number: None

None

Location:

Dinwiddie

Field Name: Total Acres:

DWWSK 1

Usable Acres: 4.00 4.00

FSA Number: Tract:

None None

В

Location:

Dinwiddie

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PΗ Ρ Κ

Lab

[NO TEST]

Soils:

PERCENT

SYMBOL

SOIL SERIES

73 2B Appling 27 2C Appling

Field Warnings:

Field Name: DWWSK 2

Total Acres: 3.70 Usable Acres: 3.70

FSA Number: None Tract: None

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

12 2C Appling 88 2B Appling

Field Warnings:

Field Name: DWWSK 3

Total Acres: 9.00 Usable Acres: 9.00

FSA Number: None Tract: None

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

36 2B Appling 64 2C Appling

Field Warnings:

Field Name: DWWSK 4

Total Acres: 4.90 Usable Acres: 4.90

FSA Number: None Tract: None

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based Phosphorus Limit meth	nod: Phosphorus Environmental Threshold (PET) method	
Soil Test Results: DATE PH [NO TEST]	P K La	ab
Soils: PERCENT 22 46 33	SYMBOL SOIL SERIES 2C Appling 2B Appling 4C Cecil	
Field Warnings:		
Field Name: Total Acres: FSA Number: None Tract: None Location: Slope Class: B	WWSK 5 Usable Acres: 11.40 Dinwiddie Hydrologic Group: B	
Riparian buffer width: 0 Distance to stream: 0 f		
Conservation Practic Pasture (>75% cover)	ees:	
P-Index Summary N-based Phosphorus Limit meth	nod: Phosphorus Environmental Threshold (PET) method	

K

Lab

Soils:

Soil Test Results:
DATE PH
[NO TEST]

PERCENT	SYME	IOL	SOIL SERIES
33	4C	Cecil	
6	2C	Appling	
59	2B	Appling	
2	16A	Roanok	ke .

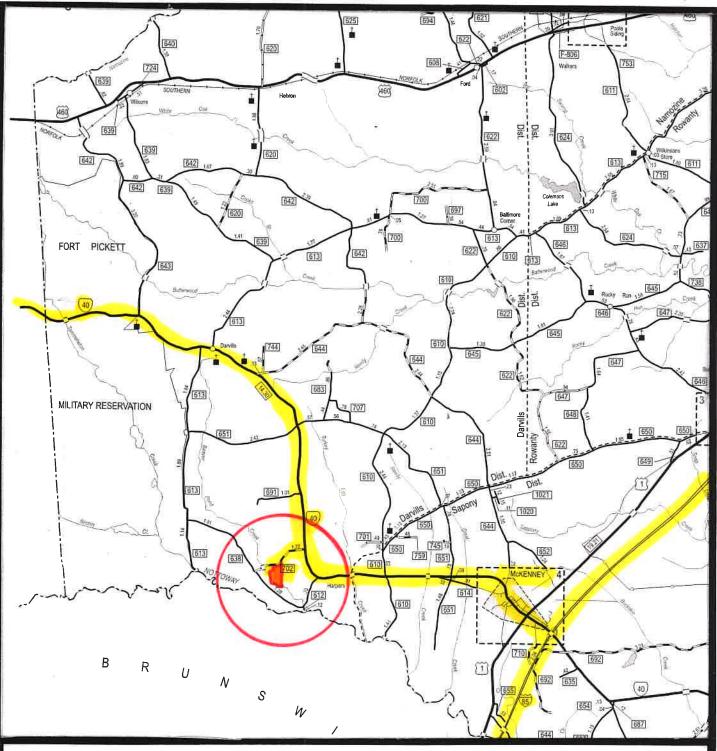
Field Warnings:

MAPS

Recyc Systems...

(Biosolids Land Application)





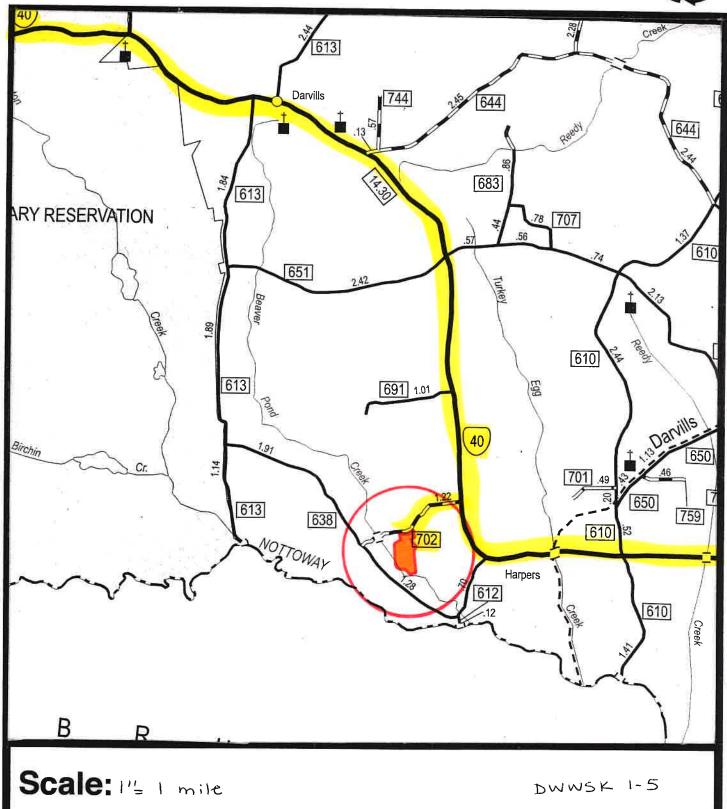
Scale: 1"= 2 miles

DWWSK 1-5

Recyc Systems Inc.

(Biosolids Land Application)



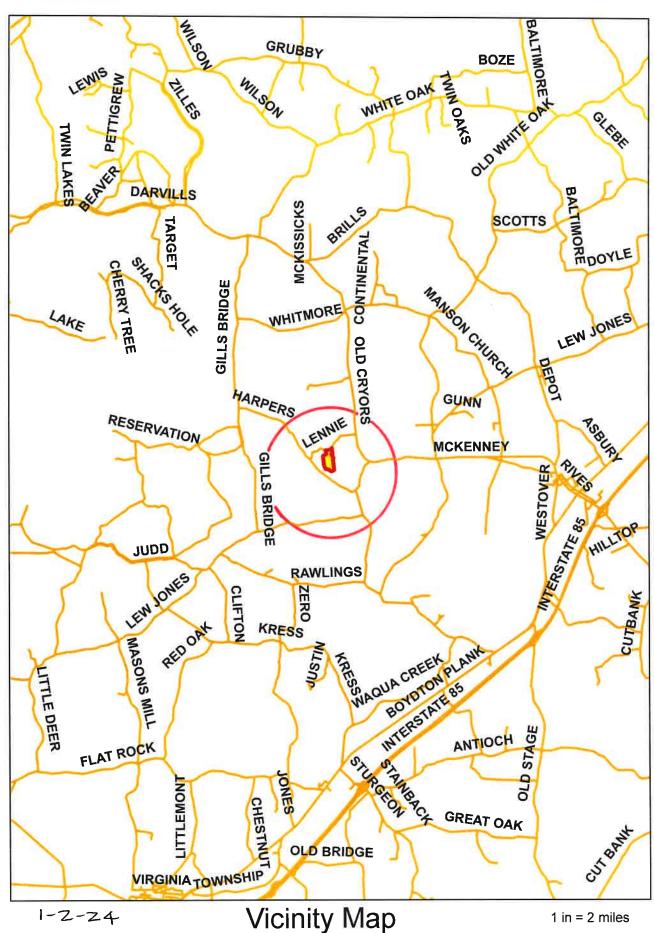


Truck Route marked in Yellow

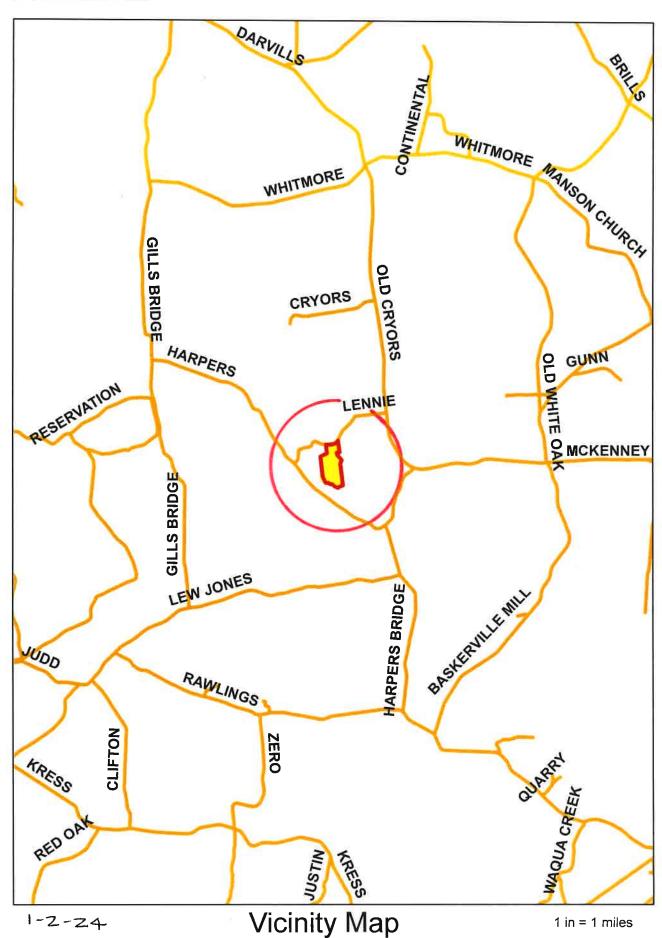
VICINITY MAP

N



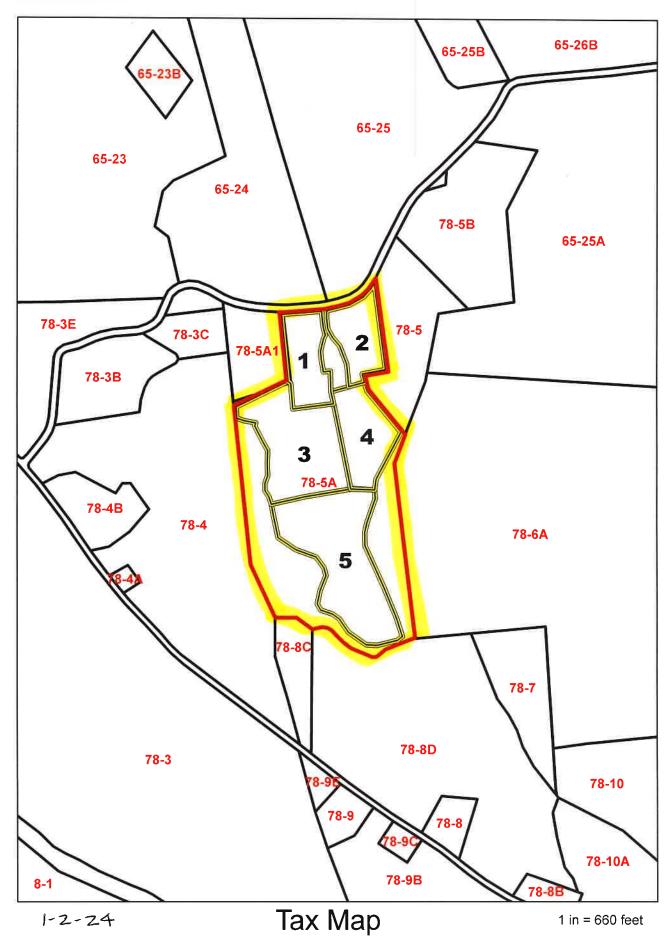








William S. Killpack DWWSK



ADJOINING LANDOWNERS

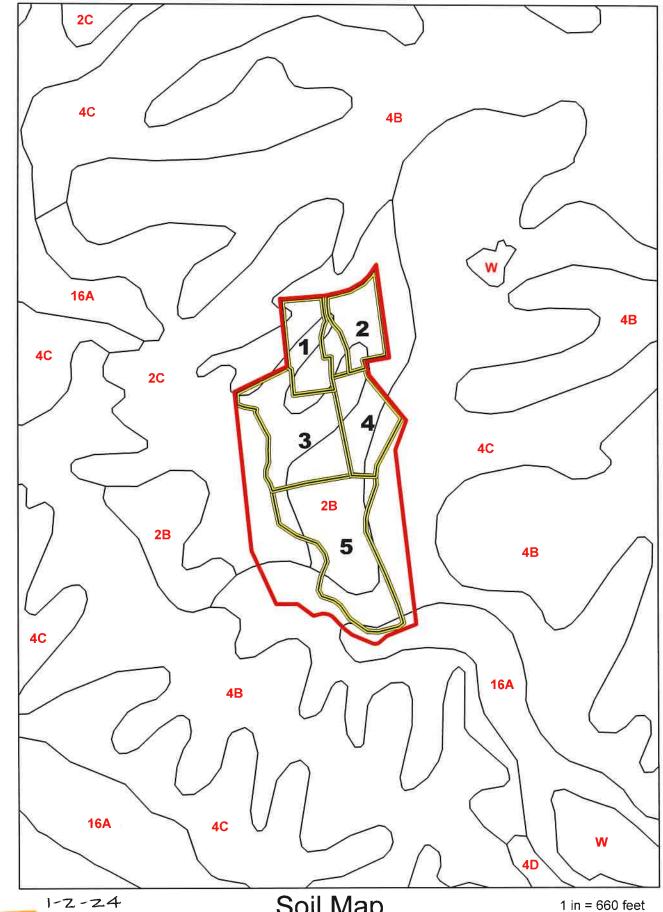
WILLIAM S. KILLPACK

DINWIDDIE COUNTY

Jody Wayne Hudson Lois T. Avery 4 Gordon Allie Barnes Sichard H. Jr. or LouAnn G. Avery Adam G. or Taylor Keturah Rice North Country Pines LLC c/o Conservation For Kimberly Whitehurst Sally A. Rawlings	
78 4 Gordon Allie Barnes 5 Richard H. Jr. or LouAnn G. Avery 5A1 Adam G. or Taylor Keturah Rice 6A North Country Pines LLC c/o Conservation For 8C Kimberly Whitehurst	
78 4 Gordon Allie Barnes 5 Richard H. Jr. or LouAnn G. Avery 5A1 Adam G. or Taylor Keturah Rice 6A North Country Pines LLC c/o Conservation For 8C Kimberly Whitehurst	
5 Richard H. Jr. or LouAnn G. Avery 5A1 Adam G. or Taylor Keturah Rice 6A North Country Pines LLC c/o Conservation For 8C Kimberly Whitehurst	
5A1 Adam G. or Taylor Keturah Rice 6A North Country Pines LLC c/o Conservation For 8C Kimberly Whitehurst	
6A North Country Pines LLC c/o Conservation For Kimberly Whitehurst	
8C Kimberly Whitehurst	
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8D Sally A. Rawlings	



William S. Killpack **DWWSK**



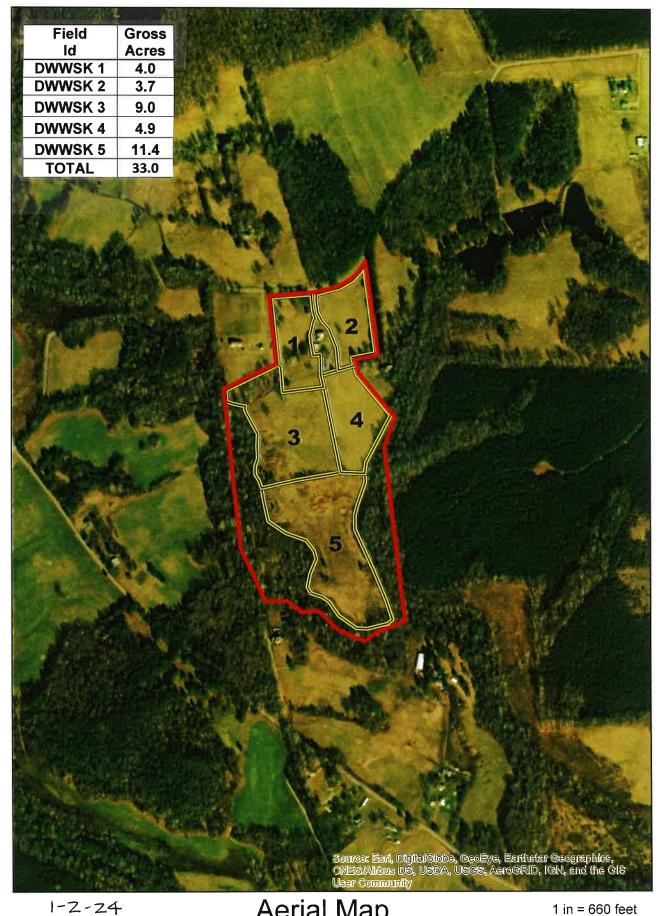
1-2-24 Frequently Flooded

N

Soil Map









Aerial Map

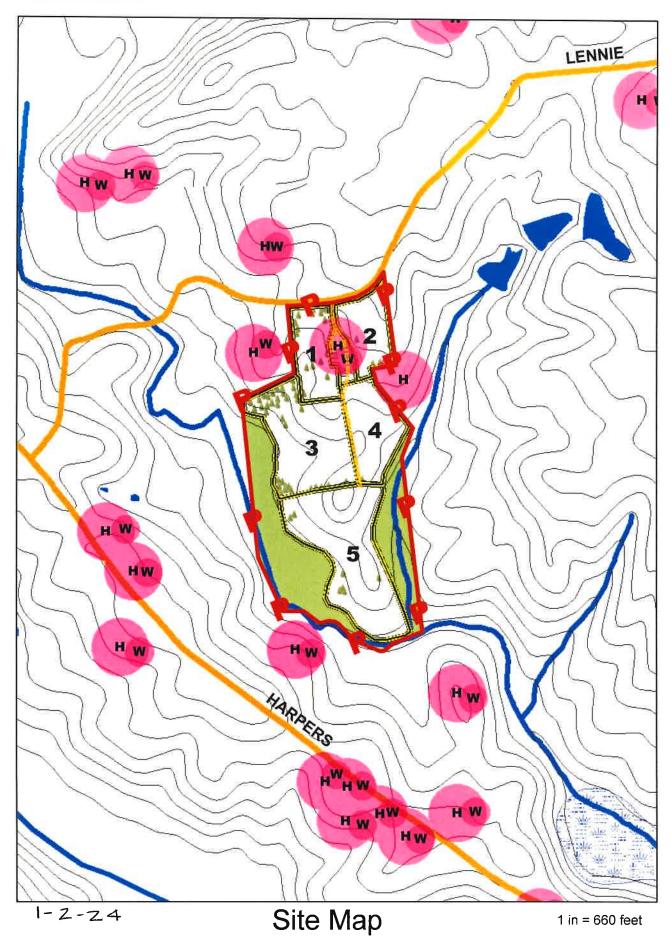
Legend For Site Plan

Symbol	Feature	Minimum Setback
HW	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
ws	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
ш	Wet Spot	
	Trees and Woods	
	Private Drive	
R	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
<u></u>	Severely Eroded Spot	18 Inch minimum depth of soil
S	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
_P _ P_ P_	Property Line	100 feet from property line *
SL S	Slope	15% maximum
	Hashed out Area	No application

^{*}Buffer can be reduced or waived upon written consent from landowner.

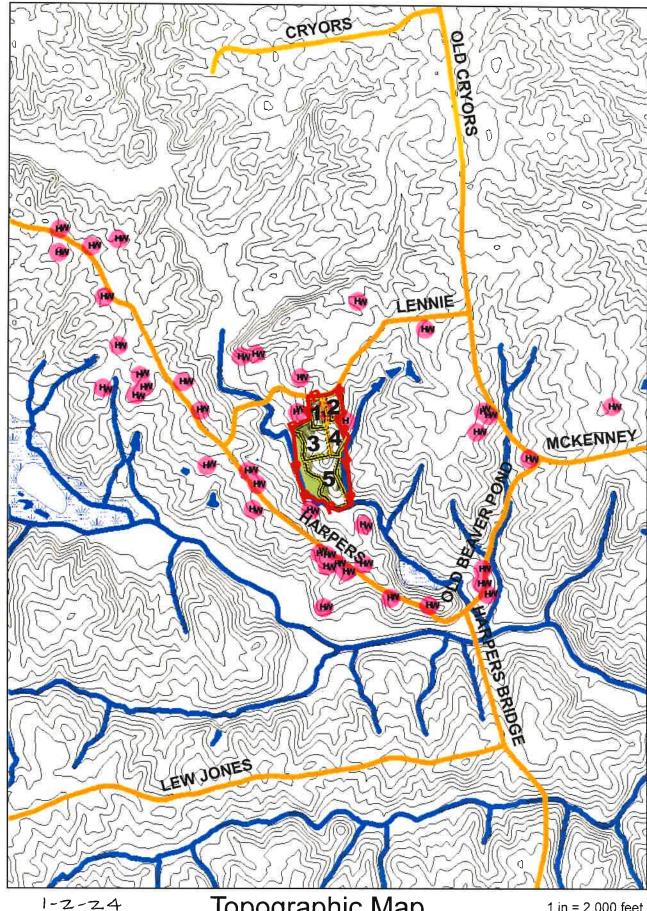


William S. Killpack DWWSK











Topographic Map