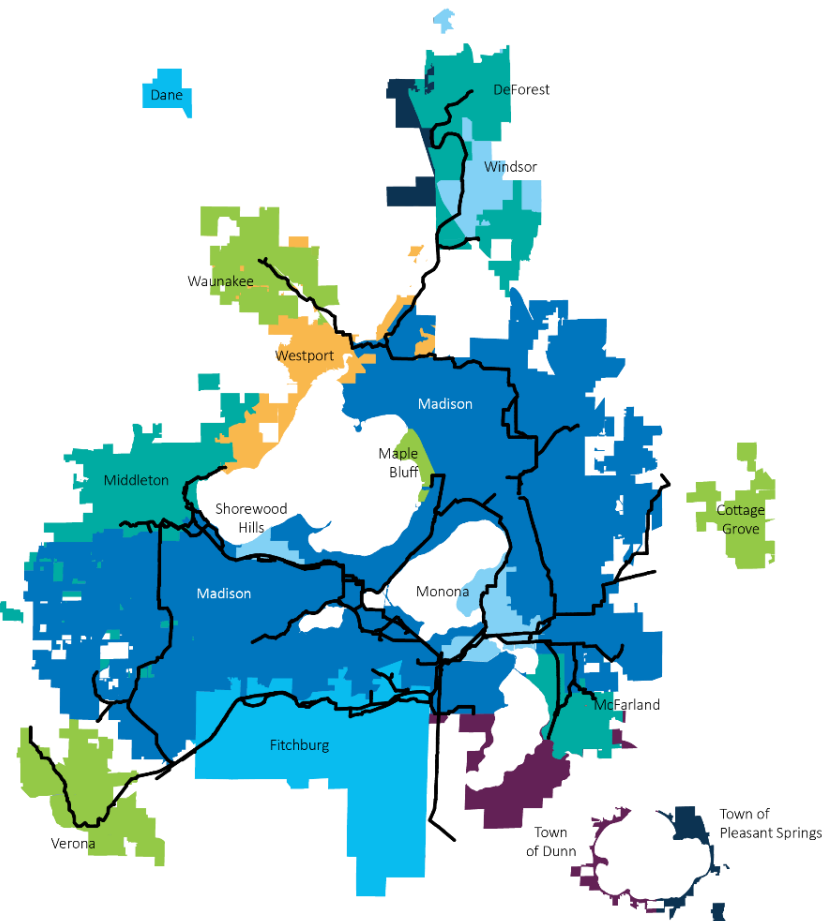


2026 Spring Biosolids Symposium: Field Evaluation



MMSD Overview



Our Service Area

- 24 owner communities in Dane County
- Over 440,000 individuals and businesses
- Covering 190 square miles
- Treat 38 million gallons daily

Madison Metropolitan Sewerage District



Metrogro Overview

Metrogro:

- Class B Liquid Biosolids
- 5 Oxbows and 4 Terragators
- 19 Trailers
- Hire Contractors to pull trailers and run equipment
- Try to run 4-5 sites at a time
- 2025
 - Approximately 39.7 gallons applied
 - Covered over 7,300 acres



Madison Metropolitan Sewerage District



Field Evaluation

Site Self Approver

- Allows us to evaluate soil conditions and approve applications prior to submitting new site request to the DNR
- Increased Acres per field
 - Less Sites
 - Less filling in with commercial fertilizer
- DNR Approval
- Subsequent applications
- Acreage Adjustments

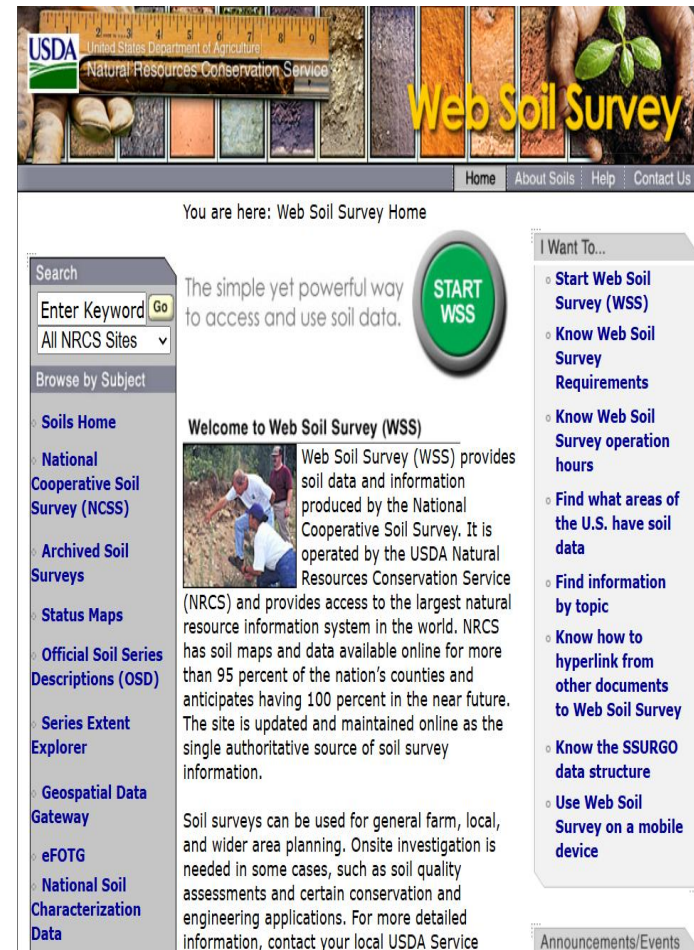


Field Evaluation

Initial Site Review: Web Soil Survey

- Green button “START WSS”
- Create AOI (Field Boundary) in Web Soil Survey
 - Soil Data Explorer
 - Soil Properties and Qualities
 - Shallow Ground Water: Water Features, Depth to Water Table, View Rating
 - Shallow Bedrock: Soil Qualities and Features, Depth to Bedrock, View Rating
 - Shades of Blue are good
 - Yellow, Orange and Red need investigation
 - Ratings are in centimeters, 36” = 91.44 cm

<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>



USDA United States Department of Agriculture Natural Resources Conservation Service

Web Soil Survey

Home About Soils Help Contact Us

You are here: Web Soil Survey Home

The simple yet powerful way to access and use soil data.

START WSS

I Want To...

- Start Web Soil Survey (WSS)
- Know Web Soil Survey Requirements
- Know Web Soil Survey operation hours
- Find what areas of the U.S. have soil data
- Find information by topic
- Know how to hyperlink from other documents to Web Soil Survey
- Know the SSURGO data structure
- Use Web Soil Survey on a mobile device

Welcome to Web Soil Survey (WSS)

Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

Soil surveys can be used for general farm, local, and wider area planning. Onsite investigation is needed in some cases, such as soil quality assessments and certain conservation and engineering applications. For more detailed information, contact your local USDA Service

Search

Enter Keyword

All NRCS Sites

Browse by Subject

- Soils Home
- National Cooperative Soil Survey (NCSS)
- Archived Soil Surveys
- Status Maps
- Official Soil Series Descriptions (OSD)
- Series Extent Explorer
- Geospatial Data Gateway
- eFOTG
- National Soil Characterization Data

Announcements/Events

Area of Interest (AOI)

Soil Map

Soil Data Explorer

Download Soils Data

Shopping Cart (Free)

Search

Area of Interest

Open All | Close All

AOI Properties

Clear AOI

AOI Information

Name

Map Unit Symbols
Use Soil Survey Area Map Unit Symbols
Use National Map Unit Symbols

Area (acres) 57.5

Soil Data Available from Web Soil Survey

Dane County, Wisconsin (WI025)

Data Availability Tabular and Spatial, complete

Tabular Data Version 24, Sep 10, 2025

Spatial Data Version 11, Sep 10, 2025

Clear AOI

Import AOI

Export AOI

Quick Navigation

Address

Area of Interest Interactive Map

Legend



View Extent Contiguous U.S. Scale (not to scale)



View Soil Information By Use: [All Uses](#)

Search

Properties and Qualities Ratings

- [Open All](#) [Close All](#)
- Soil Chemical Properties
 - Soil Erosion Factors
 - Soil Health Properties
 - Soil Physical Properties
 - Soil Qualities and Features

Water Features

Depth to Water Table

[View Description](#) [View Rating](#)

View Options

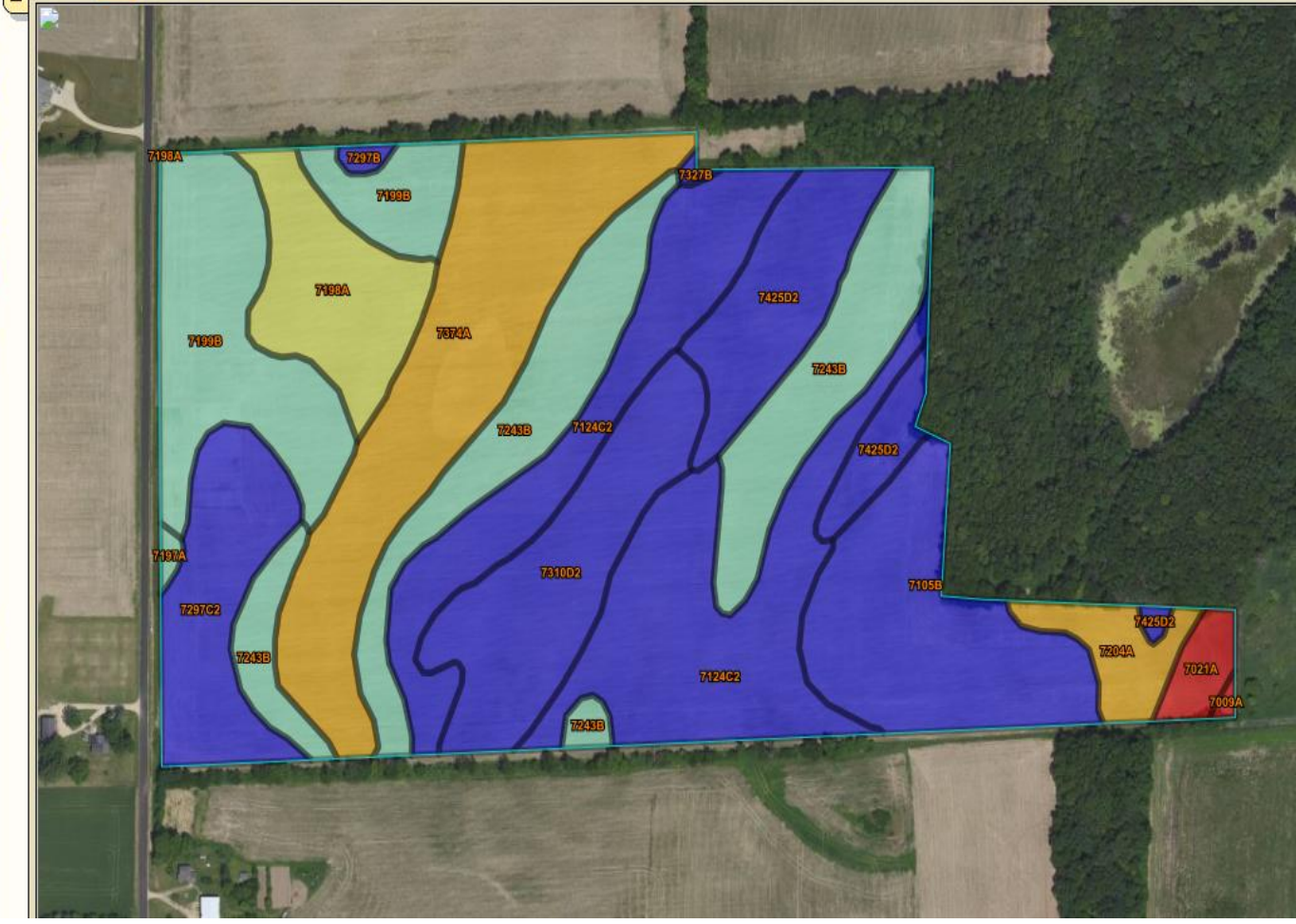
- Map
- Table
- Description of Rating
- Rating Options
 - Detailed Description

Advanced Options

- Aggregation Method: [Dominant Component](#)
- Component Percent Cutoff:
- Tie-break Rule: Lower Higher
- Interpret Nulls as Zero: Yes No
- Beginning Month: [January](#)

Map — Depth to Water Table

Legend Scale (not to scale)



Tables – Depth to Water Table – Summary By Map Unit

Summary by Map Unit – Dane County, Wisconsin (WI025)

Summary by Map Unit – Dane County, Wisconsin (WI025)

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
7009A	Houghton muck, 0 to 2 percent slopes	0	0.1	0.1%
7021A	Palms muck, 0 to 2 percent slopes	0	0.7	1.2%
7105B	Batavia silt loam, gravelly substratum, 2 to 6 percent slopes	>200	5.5	9.5%
7124C2	Dodge silt loam, 6 to 12 percent slopes, eroded	>200	11.1	19.2%
7197A	Troxel silt loam, 0 to 3 percent slopes	137	0.1	0.2%
7198A	Elburn silt loam, 0 to 3 percent slopes	61	3.3	5.7%
7199B	Plano silt loam, till substratum, 2 to 6 percent slopes	104	6.2	10.8%
7204A	Virgil silt loam, gravelly substratum, 0 to 3 percent slopes	30	1.3	2.2%
7243B	St. Charles silt loam, 2 to 6 percent slopes	122	8.6	14.9%
7297B	Ringwood silt loam, 2 to 6 percent slopes	>200	0.2	0.3%
7297C2	Ringwood silt loam, 6 to 12 percent slopes, eroded	>200	3.5	6.1%
7310D2	McHenry silt loam, 12 to 20 percent slopes, eroded	>200	4.8	8.3%
7327B	Kegonsa silt loam, 2 to 6 percent slopes	>200	0.1	0.1%
7374A	Radford silt loam, 0 to 3 percent slopes	50	8.1	14.1%
7425D2	Dresden loam, 12 to 20 percent slopes, eroded	>200	4.1	7.1%
Totals for Area of Interest			57.5	100.0%

View Soil Information By Use: All Uses

Intro to Soils

Suitabilities and Limitations for Use

Soil Properties and Qualities

Ecological Sites

Soil Reports

Search

Properties and Qualities Ratings

Open All Close All ?

Soil Chemical Properties

Soil Erosion Factors

Soil Health Properties

Soil Physical Properties

Soil Qualities and Features

AASHTO Group Classification (Surface)

AASHTO Group Index

Depth to a Selected Soil Restrictive Layer

Depth to Any Soil Restrictive Layer

Depth to Bedrock

View Description View Rating

View Options

Map

Table

Description of Rating

Rating Options

Detailed Description

Advanced Options

Aggregation Method Dominant Component

Component Percent Cutoff

Tie-break Rule Lower Higher

Interpret Nulls as Yes

Map — Depth to Bedrock

Scale (not to scale)



Tables – Depth to Bedrock – Summary By Map Unit

Summary by Map Unit – Dane County, Wisconsin (WI025)

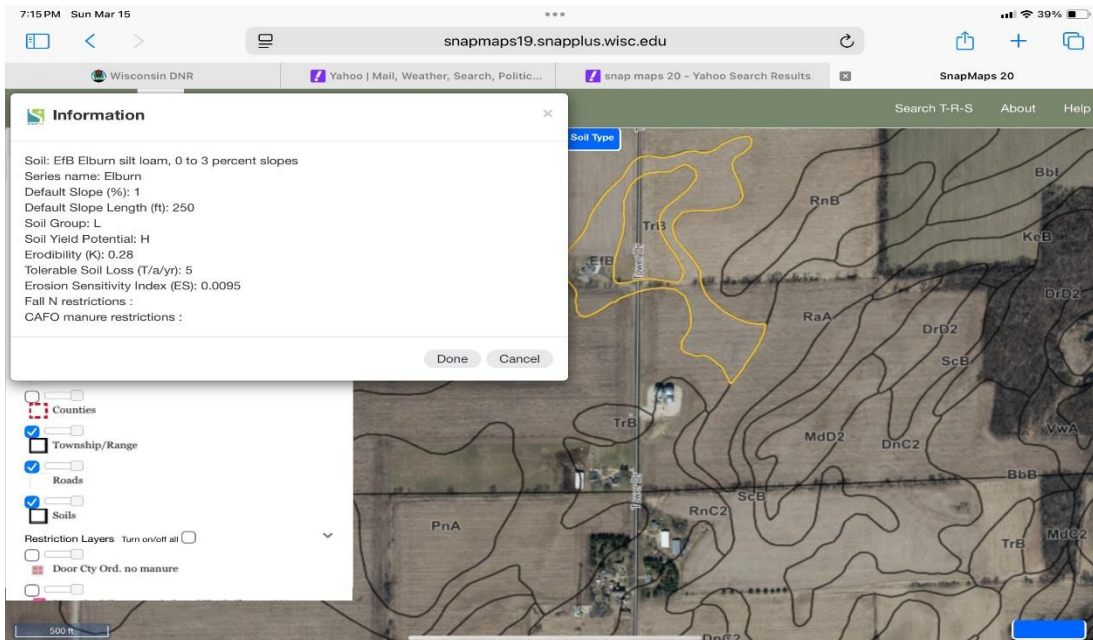
Summary by Map Unit – Dane County, Wisconsin (WI025)

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
170B	Rockton silt loam, 2 to 6 percent slopes	77	78.3	58.4%
170C2	Rockton silt loam, 6 to 12 percent slopes, eroded	77	25.3	18.9%
183C2	Edmund silt loam, 6 to 12 percent slopes, eroded	41	1.8	1.3%
183D2	Edmund silt loam, 12 to 20 percent slopes, eroded	41	3.2	2.4%
7197A	Troxel silt loam, 0 to 3 percent slopes	>200	1.3	1.0%
7199B	Plano silt loam, till substratum, 2 to 6 percent slopes	>200	1.8	1.3%
7297B	Ringwood silt loam, 2 to 6 percent slopes	>200	9.1	6.8%
7363C	Griswold loam, 6 to 12 percent slopes	>200	13.4	10.0%
Totals for Area of Interest			134.2	100.0%

Field Evaluation

In the Field:

- Locate soil units from Web Soil Survey
 - Determine number and locations of soil borings
 - Perform borings
 - Log boring information



<https://snapmaps19.snapplus.wisc.edu/>

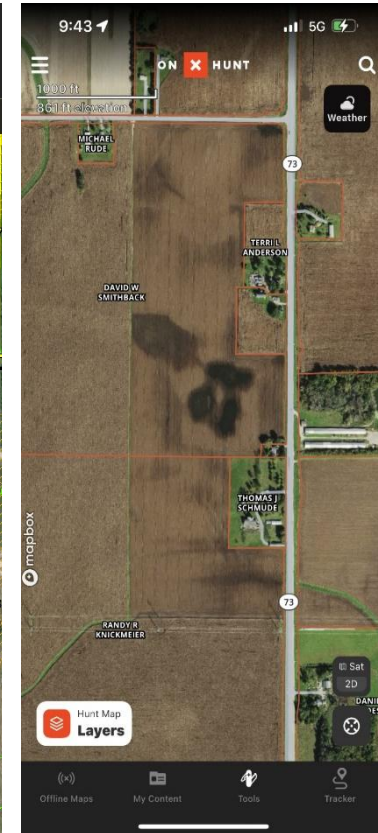
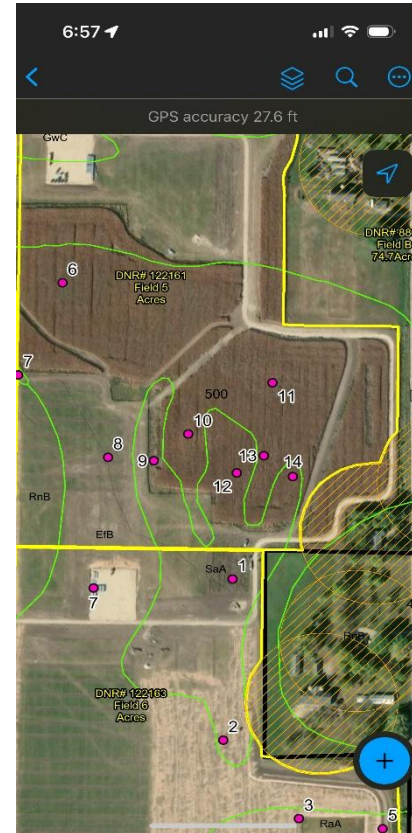
Madison Metropolitan Sewerage District



Field Evaluation

Number and Location of Borings:

- 1 boring for every 5-10 acres of each soil unit
 - Certain conditions could call for more or less
- Look for areas of concern
 - Wetland Buffers
 - Well Buffers
 - Low Spots
- Be sure to catch all soil unit polygons



View Soil Information By Use: All Uses

Search

Properties and Qualities Ratings

- [Open All](#) [Close All](#)
- Soil Chemical Properties
 - Soil Erosion Factors
 - Soil Health Properties
 - Soil Physical Properties
 - Soil Qualities and Features

Water Features

Depth to Water Table

[View Description](#) [View Rating](#)

View Options

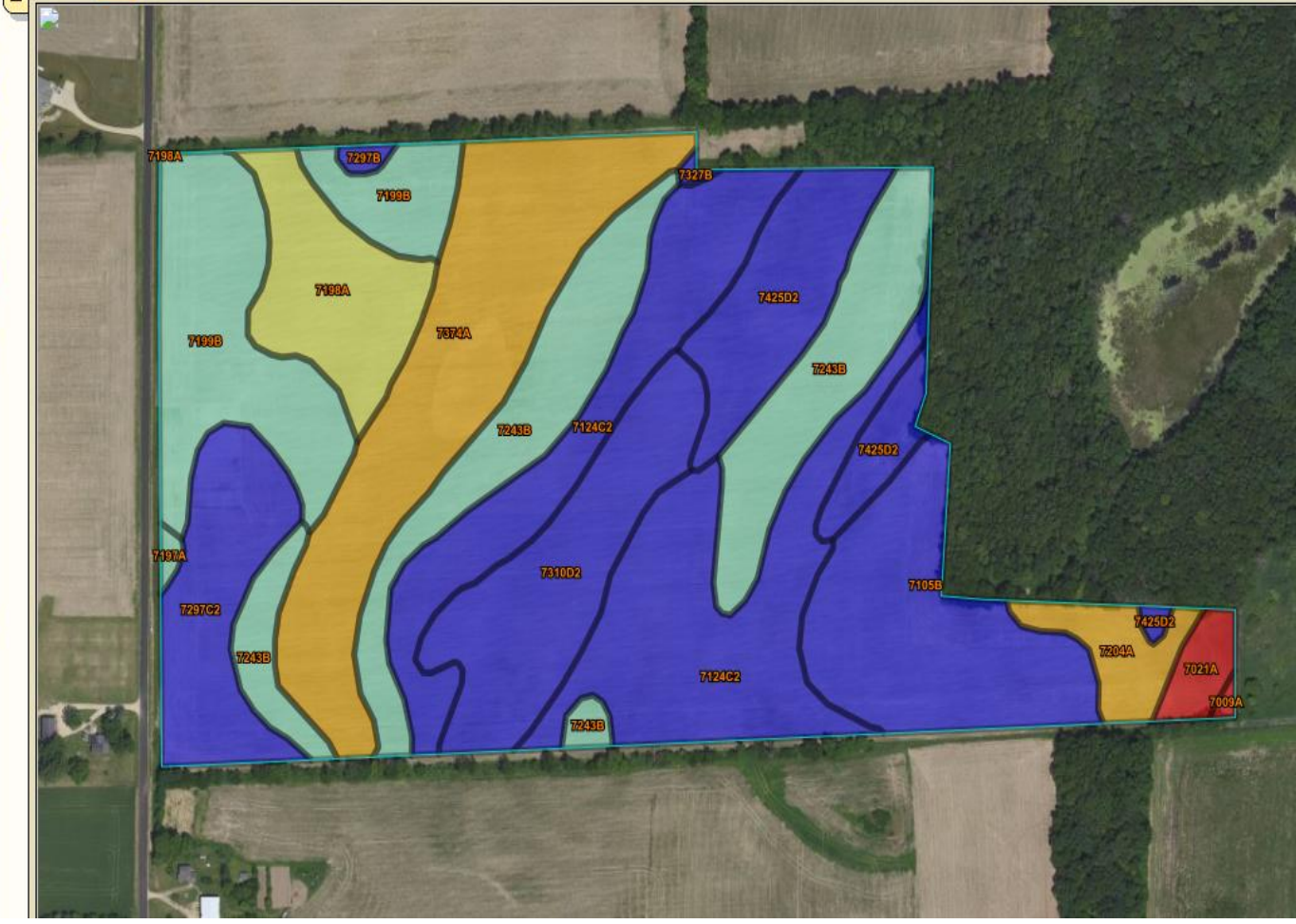
- Map
- Table
- Description of Rating
- Rating Options
 - Detailed Description

Advanced Options

- Aggregation Method: Dominant Component
- Component Percent Cutoff:
- Tie-break Rule:
 - Lower
 - Higher
- Interpret Nulls as Zero:
 - Yes
 - No
- Beginning Month: January

Map — Depth to Water Table

Legend Scale (not to scale)



Metrogro Soil Samples

GPS accuracy 11.4 ft



View Soil Information By Use: All Uses

Intro to Soils

Suitabilities and Limitations for Use

Soil Properties and Qualities

Ecological Sites

Soil Reports

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Properties and Qualities Ratings

Open All Close All ?

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Depth to Bedrock

View Description View Rating

View Options

Map

Table

Description of Rating

Rating Options

Detailed Description

Advanced Options

Aggregation Method Dominant Component

Component Percent Cutoff

Tie-break Rule Lower Higher

Interpret Nulls as Yes

Map — Depth to Bedrock

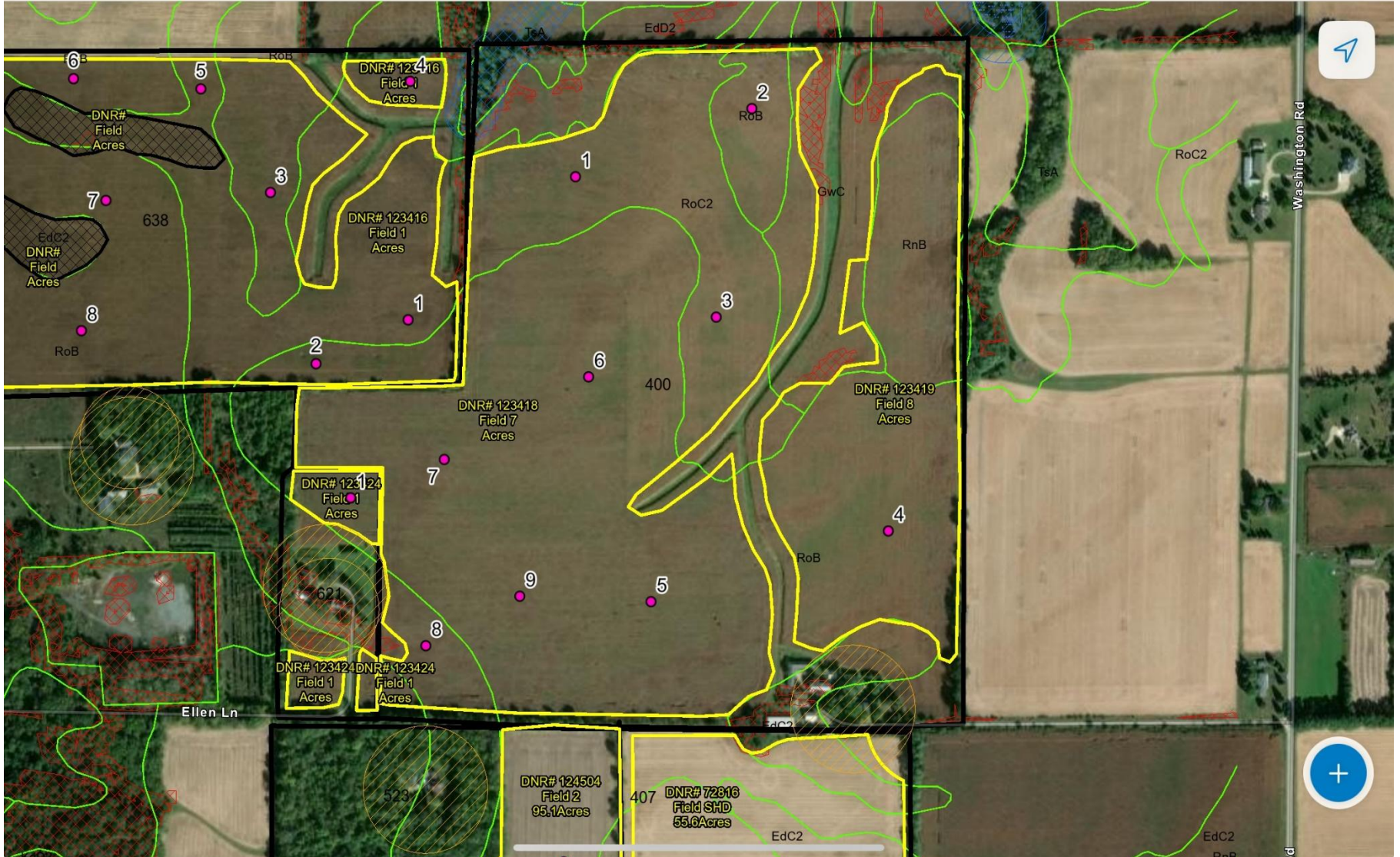
Scale (not to scale)



Metrogro Soil Samples



GPS accuracy 43.1 ft · 30 ft required





TikTok
@madmetrosewer

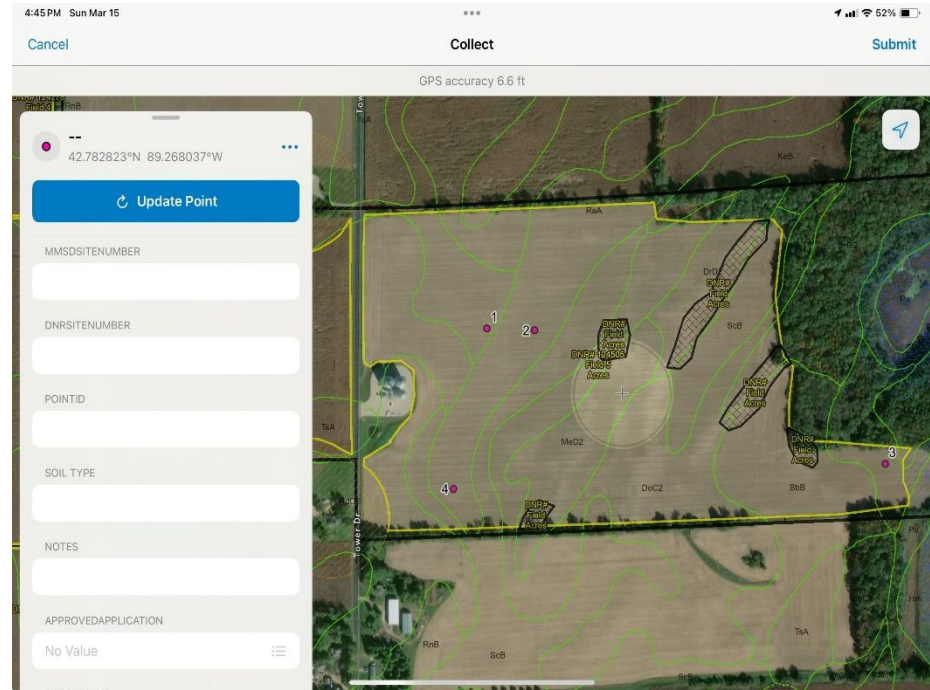
19651



Field Evaluation

Logging Boring Information:

- Parameters to log
 - Site ID, Farm/Field
 - DNR site number, if available
 - Point ID
 - Soil Type
 - Boring notes
 - Approved for Application, Yes/No
 - Date
 - Name of Person
 - Latitude
 - Longitude



	A	B	C	D	E	F	G	H	I	J
	MMSDSiteNumber	DNRSiteNumber	PointID	Soil Type	Notes	ApprovedApplication	Date	Checked by	Latitude	Longitude
1	640-5		1	Elburn	0-11" Silt Loam, 11-27" Silty Clay Loam, 27-36" Sandy Clay Loam, Mottling @ 17", Dry	Yes	10/3/2025	Zac Thompson	42.89236475	-89.14944026
2	640-5		2	Radford	0-36" Silt Loam, Mottling @ 15", Dry	Yes	10/3/2025	Zac Thompson	42.89234482	-89.14865762
3	640-5		3	Virgil	0-13" Silt Loam, 13-36" Silty Clay Loam, Mottling @ 21", Dry	Yes	10/3/2025	Zac Thompson	42.89085353	-89.14290671
4	640-5		4	Radford	0-36" Silt Loam, Mottling @ 25", Dry	Yes	10/3/2025	Zac Thompson	42.89057446	-89.14998736



Field Evaluation

Setback checks prior to submittal:

- Private Wells
- Community Wells
- Wetlands and Concentrated Flow Areas
- Waterways
- Residential Buildings
- Schools, Health Care Facilities
- Slopes



Note: In order to fill and save this form electronically, it must be opened using Adobe Reader or Acrobat software. Save a copy of the file, open Adobe Reader, select File > Open and browse for the file you saved.

State of Wisconsin, DNR
PO Box 7921
Madison, WI 53707-7921

Land Application Site Request

Form 3400-053 (R 12/22) Page 1 of 10

Notice: Complete this form for each site and submit it along with supporting documents to the appropriate WDNR Regional Wastewater Specialist or Engineer for evaluation. Failure to file a complete site request package including supporting documents, approvals, and acknowledgement signatures may result in delay, denial, or return of the request. Complete the form pursuant to the instructions on pages 5 through 10. The department will not be able to process a modified or altered form 3400-053.

Completion and submission of this form is mandatory under s. 283.55, Wis. Stats., and chs. NR 204 or 214, Wis. Adm. Code, for sewage sludge and industrial waste and under s. 281.43, Wis. Stats., and ch. NR 113, Wis. Adm. Code, for septage. Failure to properly complete and submit this form is a violation of s. 283.91 or s. 281.43, Wis. Stats., and may result in a monetary penalty and/or imprisonment. Personally identifiable information on this form is not intended to be used for other purposes, but may be made available to requesters under Wisconsin's Public Records law ss. 19.32-19.38, Wis. Stats.

Applicant Information

Permittee Name or Licensed Business Madison Metropolitan Sewerage District		Phone No. (608) 222-1201	
Mailing Address 1610 Moorland Rd	City Madison	State WI	ZIP Code 53713-3398
WPDES Permit No. WI-00 24597	Septage License No.	Email zact@madsewcr.org	

Methods and Equipment

Application Method Used (check all that apply): Surface Only (without incorporation) Incorporation Injection

Equipment Used (check all used): Injector Splash Plate Sprayer Slinger
 Moldboard Chisel Disc Other

Site Request Package Checklist

Prior to submitting the Site Request Package, ensure that all items (chs. NR 113, NR 204, NR 214, Wis. Adm. Codes) have been included by using the checklist below:

- Completed 3400-053 Land Application Site Request Form.**
Pages 1 through 3.
- Aerial Photograph.**
Requested sites/fields boundaries marked and identified. Label restricting features including wells, residences, wetlands, waterways, dry runs, etc.
- Soil Map Units.**
Maps may be combined with the Aerial Photograph.
- Proof of Ownership (Legal Property Owner) (if applicable).**
Include a copy of the tax parcel listing showing the property owner along with the parcel map displaying the parcel identification.
- Setback Reduction Permissions (if applicable).**
Include signature(s) from any affected owners and occupants.
- Soil Test Reports (if applicable).**
- Nutrient Test Report.**
Submit test report per UWEX A2809 prior to landspreading for sewage sludge, high use septage fields, and other specific cases.
- Morphological Report.**
Soil test report of soil horizons, etc. Required for high use septage fields, and may be required by the department in case-by-case situations consistent with administrative code requirements.
- Other Site Review Information (if applicable).**
Field data/surveys, additional equipment lists, waste descriptions, etc. to assist in the site review process. Comments:

Property Owner and Farmer Information

If the property is owned by a corporation or trust, enter the legal entity name and registered address in the Property Owner section below and complete the information of the registered agent in the "Comments" spaces.

Property Owner D&L Olson	Phone No. (optional)	Email Address (optional)	
Mailing Address 587 Hanerville Rd	City Stoughton	State WI	ZIP Code 53589
Is the Property Owner farming the Property? <input type="radio"/> Yes <input checked="" type="radio"/> No If Yes, skip Farmer Information below and sign the Property Owner section on page 3.			
Farmer Name (if different) Hanerville Acres	Phone No. (optional)	Email Address (optional)	
Mailing Address 587 Hanerville Rd	City Stoughton	State WI	ZIP Code 53589
Farm/Business Name (if different)	Business Alt. Phone (optional)	Business Email Address (if different)	
Farm/Business Address (if different)	City	State	ZIP Code

Comments

* Soil test will be sent along with periodic MMSD submittals

Site Information

Outline the exact location, and indicate the name of the site(s)/field(s) on a soil map unit map and/or an aerial photograph.

Site Number/Name 640		(indicate only one) <input type="radio"/> City <input type="radio"/> Village <input checked="" type="radio"/> Town of Dunkirk			County (indicate only one) Date
Field Number	Legal Description (Quarter-Quarter-Quarter)	Section	Township	Range	Estimated Acreage
5	S1/2 SW1/4	13	05 N	11 <input checked="" type="radio"/> E <input type="radio"/> W	53.50
			N	<input type="radio"/> E <input type="radio"/> W	
			N	<input type="radio"/> E <input type="radio"/> W	
			N	<input type="radio"/> E <input type="radio"/> W	

Have all requested sites been in agricultural production in the last 2 crop years? Yes No If No, explain on an additional sheet of paper.

Will application be to an existing crop? Yes No If Yes, check appropriately: Cultivated Crops Permanent Hayland Pasture Tree Plantation

If Cultivated Crops are being grown, are they being grown for human food? Yes No If yes, food what crop?

The desired field may already be approved for waste application. If so, this field may need to be transferred to the applicant. Property owner authorization may be necessary to ensure timely review of this site request package. Nitrogen application rate (lbs/acre/crop year) may need to be adjusted due to carryover nitrogen.

Was non-agricultural waste applied to site(s) in the last 3 crop years? Yes No Unknown. If unknown, recommend property owner authorization.

If Yes, is non-agricultural waste currently applied to site(s)? Yes No

If Yes, check the appropriate boxes for waste(s) spread:

Septage Sewage Sludge Industrial Liquid Waste Byproduct Solids Industrial Sludge Other (specify) _____

If known, provide the permittee/licensee name and DNR number of the field: _____

Check the appropriate boxes for the land use types adjacent to the site:

Residential Commercial Industrial Agricultural Other (specify) _____
 Forest Landfill Mining Operation Recreational Other (specify) _____

Application to frozen or snow covered ground? Yes No If Yes, complete the applicable proposed frozen or snow covered application rate below.

Distance between the land surface and bedrock/groundwater: 18 inches to 36 inches Greater than 36 inches Note: Distance <18 is not approvable.

Are any parts of the site(s) enrolled in the Conservation Reserve Program (CRP)? Yes No If Yes, explain on an additional sheet of paper.

Is drain tile installed on the site(s)? Yes No Unknown If Yes, what is the minimum depth? _____ inches

If yes, identify tile outlets on submitted aerial photograph.

Waste Information

Waste(s) to be Land Applied:

Septage Sewage Sludge Industrial Sludge Industrial Liquid Waste By Product Solids Other (specify) _____

If Industrial (application under ch. NR214 Wis. Adm. Code), check all that apply to better characterize the waste:

Liquid Sludge Cake Sludge By Product Solids Whey or Permeate Paper Mill Sludge (Cake Sludge) Other (specify) _____

Complete the applicable section for the type of waste intended to be land spread.

Septage (Chapter NR 113, Wis. Adm. Code)

Is this application for a High Use Field? Yes No If Yes, include Nutrient and Morphological Soil Reports in site request package.

Request to increase weekly application rate >13,000 gallons/acre/week? Yes No

If Yes, applicant to provide supporting information pursuant to sub NR 113.09(5), Wis. Adm. Code with request package.

Is application requested for frozen or snow covered ground? Yes No If yes, type of waste? Emergency Septic Tank Holding Tank

Proposed typical application rate: _____ Gall/acre Day / Week Proposed frozen or snow covered application rate: _____ Gallons/acre

Sewage (Municipal) Sludge (Chapter NR 204, Wis. Adm. Code)

Has this site been Self Approved? Yes No If yes, WDNR Self Approver Number: SP-012200001

Proposed typical application rate: _____ rate (check one) Gall/acre Ton/acre Other (specify) _____

The nutrient soil test results must be submitted prior to land application per s. NR 204.06, Wis. Adm. Code.

Industrial Waste (Chapter NR 214, Wis. Adm. Code)

Proposed typical application rate: _____ rate (check one) Gall/acre Ton/acre Other (specify) _____

Proposed application rate on frozen or snow covered ground: _____ rate (check one) Gall/acre Ton/acre Other (specify) _____

Proposed application interval (check one) Daily Weekly Monthly Quarterly Annually Other (specify) _____

Total proposed waste applied to site per year: _____ Gallons Tons Other (specify) _____

The following sections to be completed and signed by the Property Owner and Permittee/Licensee. If using separate agreements, the agreements for land application shall meet the requirements of the department as well as meeting the requirements of DATCP. Failure to meet the requirements may subject the Permittee and/or Licensed Septage Business to violations and/or fertilizer licensing requirements.

Notification Statements

The department hereby notifies the applicant:

- In order for site approval, the WPDES permittee may need to gain approval of a modified Management Plan (MP) or Sludge Management Plan (SMP) from the department under par. NR 113.12(7)(d), subs. NR 214.17(6), NR 214.18(6), and/or s. NR 204.11 Wis. Adm. Code.
 - Approval for application of waste by the department does not grant right of access to approved sites by the WPDES permittee, septage OIC, or their designees.
 - Owner signature is required under chs. NR 113 and NR 204 Wis. Adm. Code. The property owner may revoke permission for landspreading on their property.
- To ensure that Wisconsin Fertilizer and/or Soil Amendment rules are not violated, the Department of Agriculture, Trade, and Consumer Protection (DATCP) recommends all parties:
- Understand that while the application of waste for beneficial use may have significant nutrient, soil amendment properties and/or liming benefits, these values are not being guaranteed and are not licensed by chs. ATCP 40 and ATCP 41, Wis. Adm. Code administered by DATCP.
 - Understand that while the landspreading contractor (facility, municipality, contractor, licensed septage business, or other) is applying the waste, the contractor is in control of the land for the purposes of applying nutrients and/or soil amendments.
 - Understand that no financial transaction should occur for receiving the perceived nutrients and/or soil amendments, but rather any financial transaction should clearly itemize and reflect the costs incurred by the land spreading contractor (fuel, maintenance, applicator wage, etc.) for the product being applied during the land spreading event(s).
- To ensure compliance with nutrient management plan (NMP) requirements per chs. ATCP 50 or NR 151 Wis. Adm. Code:
- Nutrient values are not guaranteed, and acceptance of these wastes onto a field gains useful nutrients, soil amendment properties, and/or lime benefits. Information regarding crops, planting/harvesting schedules, crop yield, and additional fertilizer use will be communicated to the WPDES permittee, septage business, or their designee to meet WPDES permit and license requirements. This includes, but is not limited to, if the field is not harvested or left out of production.
 - The property owner may be required to provide the farmer with estimated nutrient content so that the nutrients may be credited to the NMP such as those specified in chs. ATCP 50 or NR 151 Wis. Adm. Code or in local ordinances.
 - The requested fields must be actively farmed with crop removal each year.
 - If the property owner/farmer has or is developing a NMP, the nutrients added to the soils from the waste must be accounted for in an appropriate NMP to prevent overapplication of nutrients such as nitrogen and phosphorus.
 - If the property owner/farmer has or is developing a NMP, the nutrients are accounted for, communicated, and submitted through the NMP to the appropriate Land and Water Conservation Department or other agency.

Acknowledgement/Approval Statements

IMPORTANT: Failure to provide signatures from all Parties may result in a delay or denial of this land application site request package. All Parties understand and agree:

- The desired field may already be approved for waste application. If so, this field may need to be transferred to the applicant. Property owner authorization may be necessary to ensure timely review of this request.
- To all rules and regulations of the Wisconsin Department of Natural Resources (WDNR) that apply to land application including but not limited to horizontal/vertical setbacks, soil map unit suitability, application rates, approximated nutrient values and crop/grazing/public access restrictions.
- The WDNR will review each site/field for approval. Application prior to approval and/or applying to a site that does not meet specific requirements or conditions may be a violation of administrative code, WPDES permit requirements, and/or management plan requirements. Because site setbacks change due to construction, land use changes, or other conditions, the areas as shown on an approved site map are subject to change. The user of approved sites shall monitor and adhere to any new setbacks. These changes may include but are not limited to: changes in county-specific soil map unit information, wells, developments, sink holes, etc.
- Pursuant to chs. NR 113, 204, and/or NR 214, Wis. Adm. Codes, the WDNR may conditionally approve a site, conditionally approve a site through a variance/exemption, or conditionally approve a site where the condition requires a revised Management Plan with discharge monitoring requirements. When a site is approved for landspreading, conditions are included to protect surface water, groundwater, and public health pursuant to statutory and administrative code requirements. When wastes regulated under different administrative codes are combined, then the most stringent requirements from each administrative code apply.

Property Owner (Recommended for NR 214 Waste)	WPDES Auth. Rep. or Septage Owner/OIC
I, <u>D&L Olson</u> (property owner)	I, <u>Zac Thompson - MMSD</u>
hereby give	(licensed septage business owner/OIC or authorized representative of the WPDES Permittee) agree to:
<u>(WPDES Permittee/licensed septage business)</u>	<ul style="list-style-type: none"> Apply at rates that do not exceed the nutrient needs of the crop (minus other inputs, i.e., manure, commercial fertilizer) pursuant to guidelines such as those suggested by UW Extension Bulletin A2809. Communicate crop restriction requirements to the farmer and owner. Provide nutrient application rates to the farmer and owner. If required, report to the department waste characteristics and monitoring results on the Wastewater Characteristic and Discharge Monitoring Report(s) for the WPDES permitted facility. Convey the approvals forms, approval maps, current management plan, and wastewater Characteristic Reports to all contract haulers and spreaders (as applicable).
authorization to land apply the aforementioned waste(s) to my field(s) as listed above. If the site(s) has/have been previously approved to receive septage, sewage sludge, and/or industrial wastes, then I give permission for all site/field(s) to be transferred to the above mentioned permittee/licensee.	
Property Owner Name (Print) <u>D&L Olson</u>	WPDES Permittee/Septage Business OIC (Print) <u>Zac Thompson</u>
Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
Date	Date <u>10-5-25</u>

Site Request Preparer Information			
Preparer Name <u>Zac Thompson - MMSD</u>	Preparer Title <u>Biosolids Specialist</u>		
Preparer Address <u>1610 Moorland Rd</u>	City <u>Madison</u>	State <u>WI</u>	ZIP Code <u>53713-3398</u>
Preparer Email <u>zac1@madsewer.org</u>	Phone Number <u>(608) 212-0251</u>		

Compliance with Site Requirements: Signing below indicates that the preparer is submitting a complete package and to the best of their knowledge the requested site is compliant with chs. NR 113, NR 204, and/or NR 214, Wis. Adm. Codes.

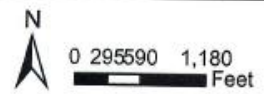
Preparer's Signature: [Signature] Date 10-5-25

Site Approval D&L Olson 640-5



Field Instructions:

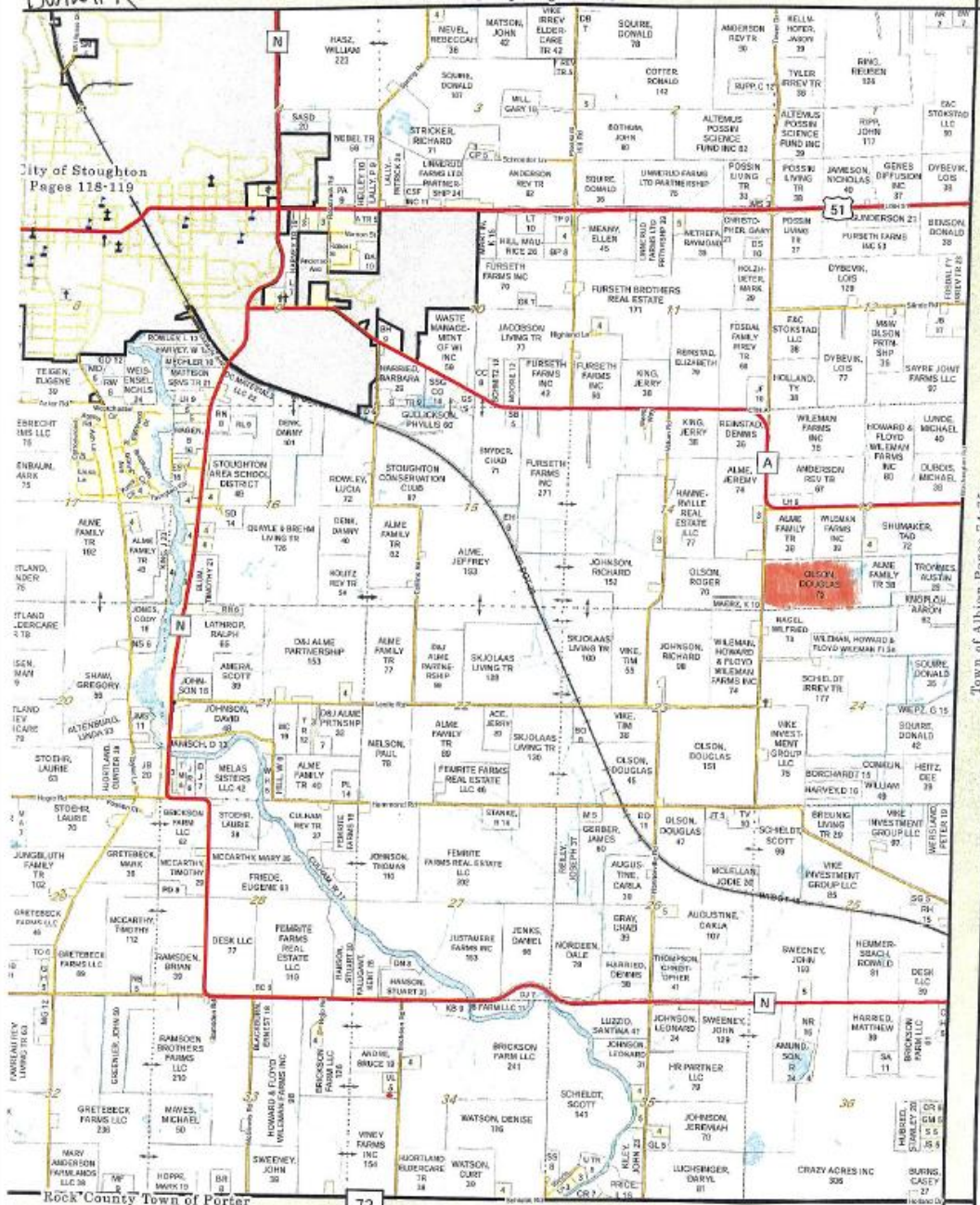
- Soil Boring Locations
- ✕ 12% or greater lidar



MMSOSiteNumber	DWSiteNumber	PointID	Soil Type	Notes	Approved/Location	Date	Checked by	Latitude	Longitude
640-5		1	Elburn	0-11" Silt loam, 11-27" Silty Clay loam, 27-36" Sandy Clay loam, Mortling @ 17" Dry	Yes	10/3/2025	Zac Thompson	42.89226475	-89.14844026
640-5		2	Redford	0-36" Sil loam, Mortling @ 15" Dry	Yes	10/3/2025	Zac Thompson	42.89234482	-89.14865792
640-5		3	Virgil	0-13" Sil loam, 13-36" Silty Clay loam, Mortling @ 21" Dry	Yes	10/3/2025	Zac Thompson	42.89185353	-89.14290671
640-5		4	Redford	0-36" Sil loam, Mortling @ 25" Dry	Yes	10/3/2025	Zac Thompson	42.890157446	-89.14985736

Dunkirk

City of Stoughton Pages 118-119



Town of Albion Pages 74-75



1610 Moorland Road • Madison, WI 53713-3398 • P: (608) 222-1201 • F: (608) 222-2703

Metrogro Application Permission Form

Madison Metropolitan Sewerage District has permission to recycle Metrogro to land that I own, located at:

- | | | | |
|----|-------------------------------|----------------|-----------|
| 1) | <u>D+L Olson - Reese east</u> | <u>Dunkirk</u> | <u>13</u> |
| | Farm Name | Township | Section |
| 2) | <u>D+L Olson - Brett</u> | <u>Dunkirk</u> | <u>26</u> |
| | Farm Name | Township | Section |
| 3) | <u>D+L Olson - Doug</u> | <u>Dunkirk</u> | <u>23</u> |
| | Farm Name | Township | Section |
| 4) | _____ | _____ | _____ |
| | Farm Name | Township | Section |

Landowner Name: Doug Olson

Landowner Signature: Doug Olson Date: _____

Farmer/Renter Name (if different): Hanoverville Acres

Farmer/Renter Signature: [Signature] Date: 8-15-25

Any questions regarding application of Metrogro can be directed to:

Zac Thompson
1610 Moorland Road
Madison, WI 53713
zact@madsewer.org
608-212-0251

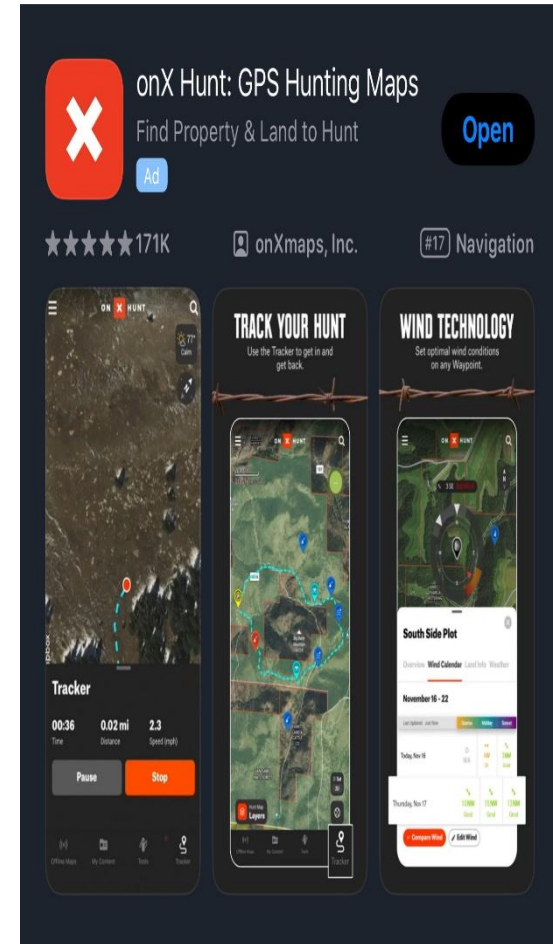
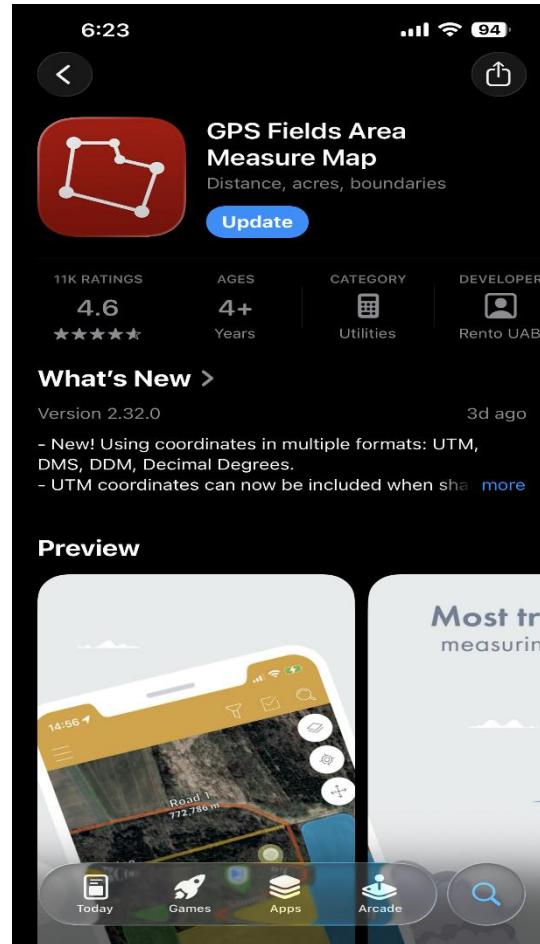
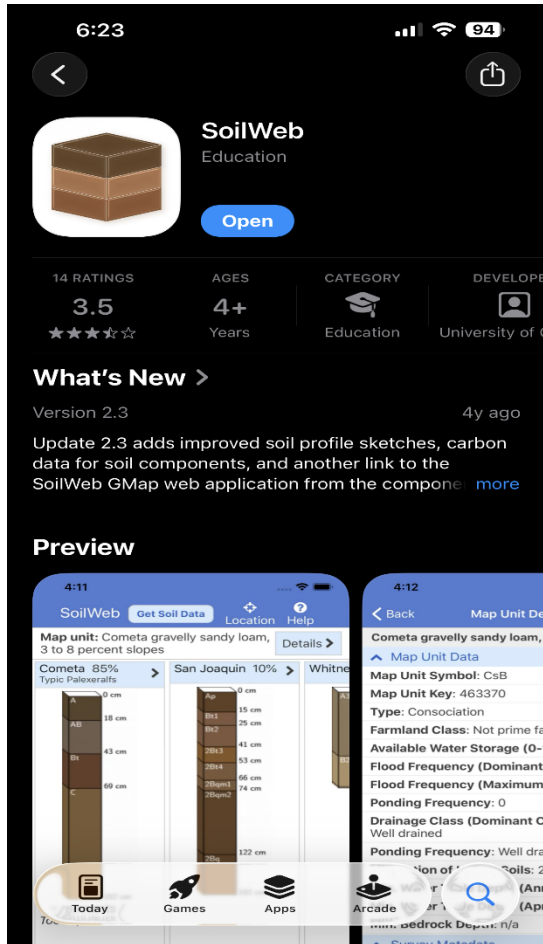
Please send completed forms to Zac Thompson at the address above, or to zact@madsewer.org

Madison Metropolitan Sewerage District



Field Evaluation

Other Resources:



Thank You!

Madison Metropolitan Sewerage District website:

www.madsewer.org

Zac Thompson, Biosolids Specialist E-mail:

zact@madsewer.org

