ILLINOIS SOIL CLASSIFIERS ASSOCATION
2021 FALL WORKSHOP

Saturday, September 25, 2021

Illinois State University Farm at Lexington, Illinois

Sponsored By:

ILLINOIS SOIL CLASSIFIERS ASSOCIATION

WILLIAM R. KREZNOR & ASSOCIATES, INC.

Soil and Environmental Consultants

WOODSTOCK, ILLINOIS

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ILLINOIS STATE UNIVERSITY

Illinois' first public university

ISU Department of Agriculture

Home to approximately 400 undergraduate students, 15 graduate students, and 30 faculty and staff, the Illinois State University Department of Agriculture offers bachelor's and master's degrees in agribusiness, agronomy, animal science, agriculture education and communications, and horticulture. The department operates the 440-acre Research Farm at Lexington and the 25-acre Horticulture Center in Normal.

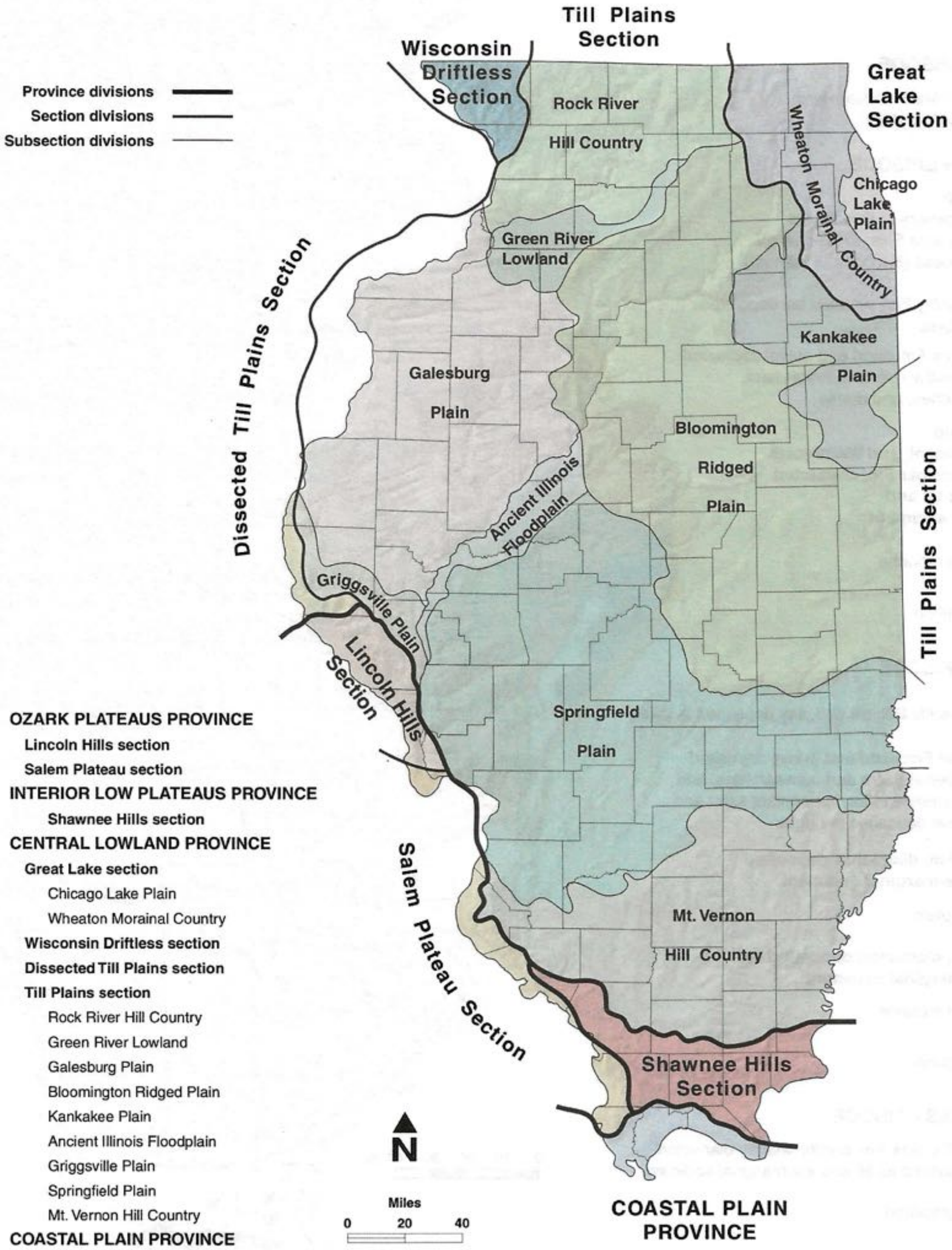
ISCA Fall Workshop Agenda

Illinois State University Farm
Lexington, IL
Saturday, September 25, 2021

10:00 A.M.	Welcome	Dr. Rob Rhykerd, ISU Jason Lindboom, ISU
10:15	Geology and Soils	Dr. Mike Konen, NIU
10:45	Soil Pits for Examination	Participants
12:05 P.M.	Lunch and Review of Soil Pit Descriptions	Galen Litwiller, and Don Fehrenbacher
1:00	Challenges of the Soil Consulting Business (Panel Discussion)	Scott Wegman, Bob Tegeler, Doug Gaines
2:00	Starting a Soil Consulting Business	Dr. Mike Konen
2:30	Recruiting and Training a New Soil Classifier	Bill Kreznor and Brandon Mueller
3:00	Final Comments	Josh Litwiller, ISCA Presiden

GEOLOGY AND SOILS – Dr. Mike Konen, NIU

Physiographic Divisions of Illinois



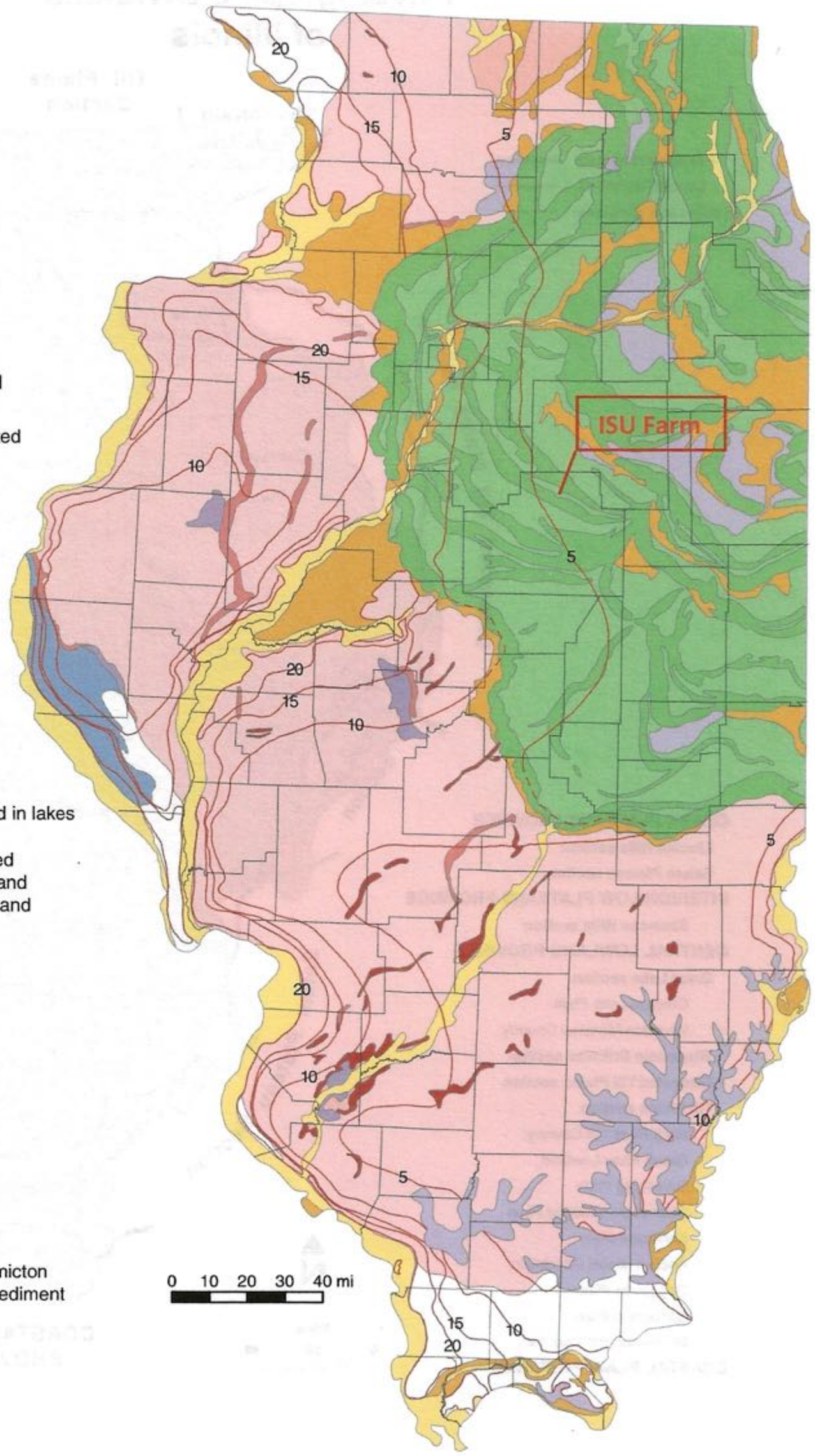
OZARK PLATEAUS PROVINCE
- **Lincoln Hills section**
- **Salem Plateau section**

INTERIOR LOW PLATEAUS PROVINCE
- **Shawnee Hills section**

CENTRAL LOWLAND PROVINCE
- **Great Lake section**
  - Chicago Lake Plain
  - Wheaton Morainal Country
- **Wisconsin Driftless section**
- **Dissected Till Plains section**
- **Till Plains section**
  - Rock River Hill Country
  - Green River Lowland
  - Galesburg Plain
  - Bloomington Ridged Plain
  - Kankakee Plain
  - Ancient Illinois Floodplain
  - Griggsville Plain
  - Springfield Plain
  - Mt. Vernon Hill Country

COASTAL PLAIN PROVINCE

Quaternary Deposits



HUDSON EPISODE

Cahokia Fm; river sand, gravel, and silt

WISCONSIN EPISODE

Mason Group

Thickness of Peoria and Roxanna Silts; silt deposited as loess (5-ft contour interval)

Equality Fm; silt and clay deposited in lakes

Henry Fm; sand and gravel deposited in glacial rivers, outwash fans, beaches, and dunes

Wedron Group (Tiskilwa, Lemont, and Wadsworth Fms) and Trafalgar Fm; diamicton deposited as till and ice-marginal sediment

End moraine

Till plain

ILLINOIS EPISODE

Teneriffe Silt; silt and clay deposited in lakes

Pearl Fm; sand and gravel deposited in glacial rivers and outwash fans, and Hagarstown Mbr; ice-contact sand and gravel deposited in ridges

Winnebago Fm; diamicton deposited as till and ice-marginal sediment

Till plain

Glasford Fm; diamicton deposited as till and ice-marginal sediment

End moraine

Till plain

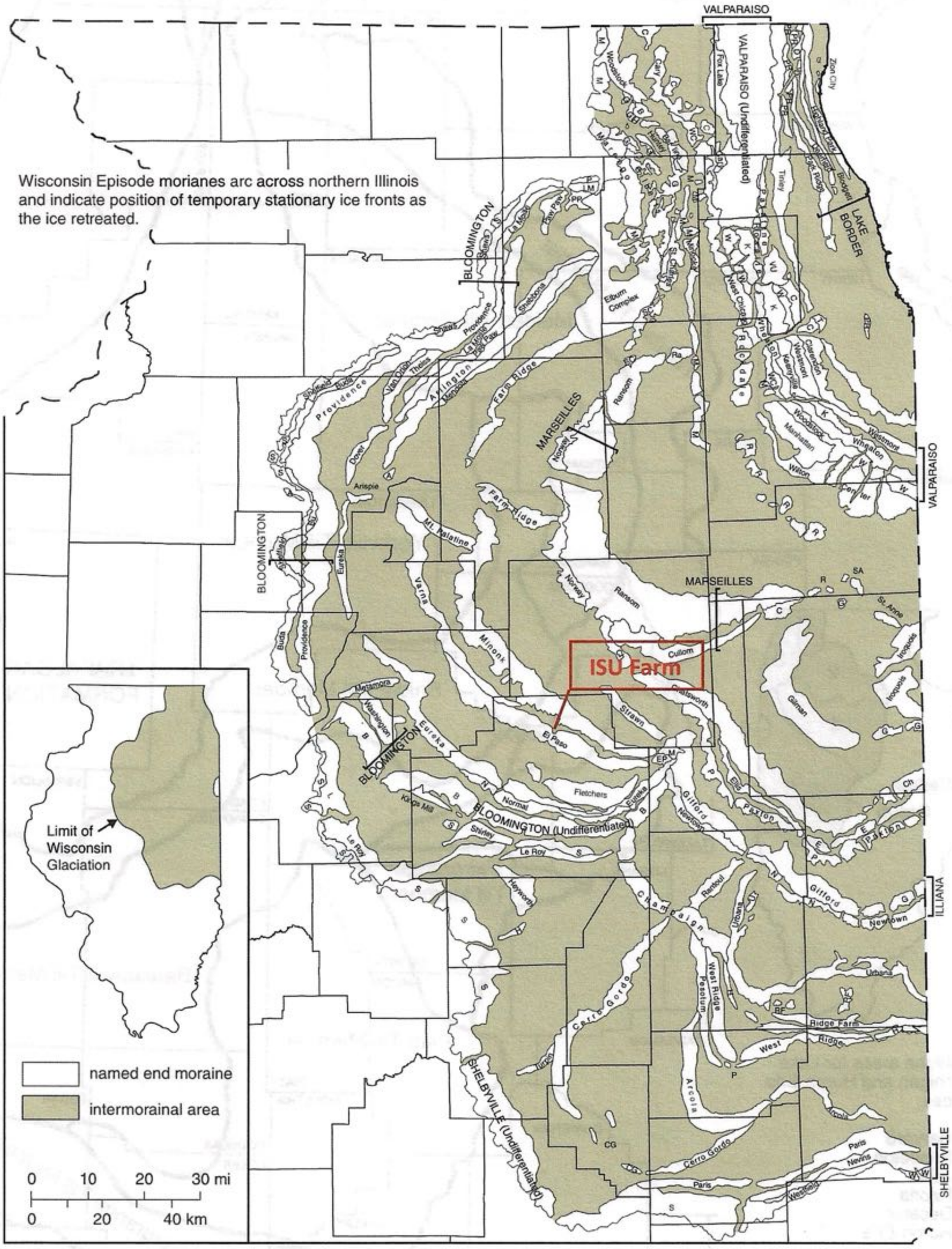
PRE-ILLINOIS EPISODE

Wolf Creek Fm; predominantly diamicton deposited as till and ice-marginal sediment

Unglaciated

Suggested citation:
ISGS Staff, 2005, Quaternary deposits: Illinois State Geological Survey, ISGS 8.5 x 11 map series.

End Moraines Of The Wisconsin Glacial Episode



ISGS 8.5x11 map series

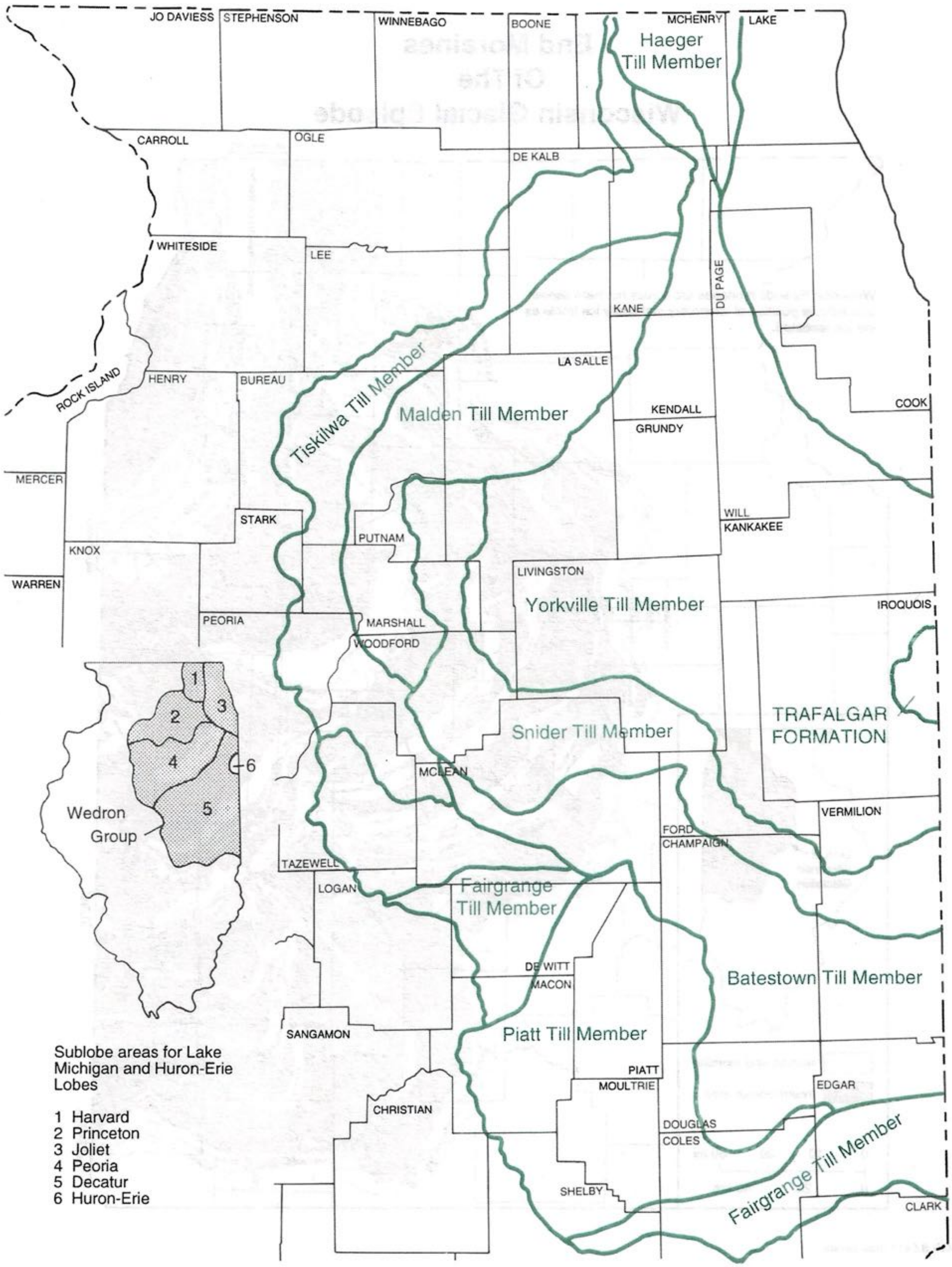


Figure 5 Areal distribution of the Wedron Formation till members and the Trafalgar Formation (after Lineback 1979).

9/15/2021

IILINOIS STATE UNIVERSITY FARM, in part

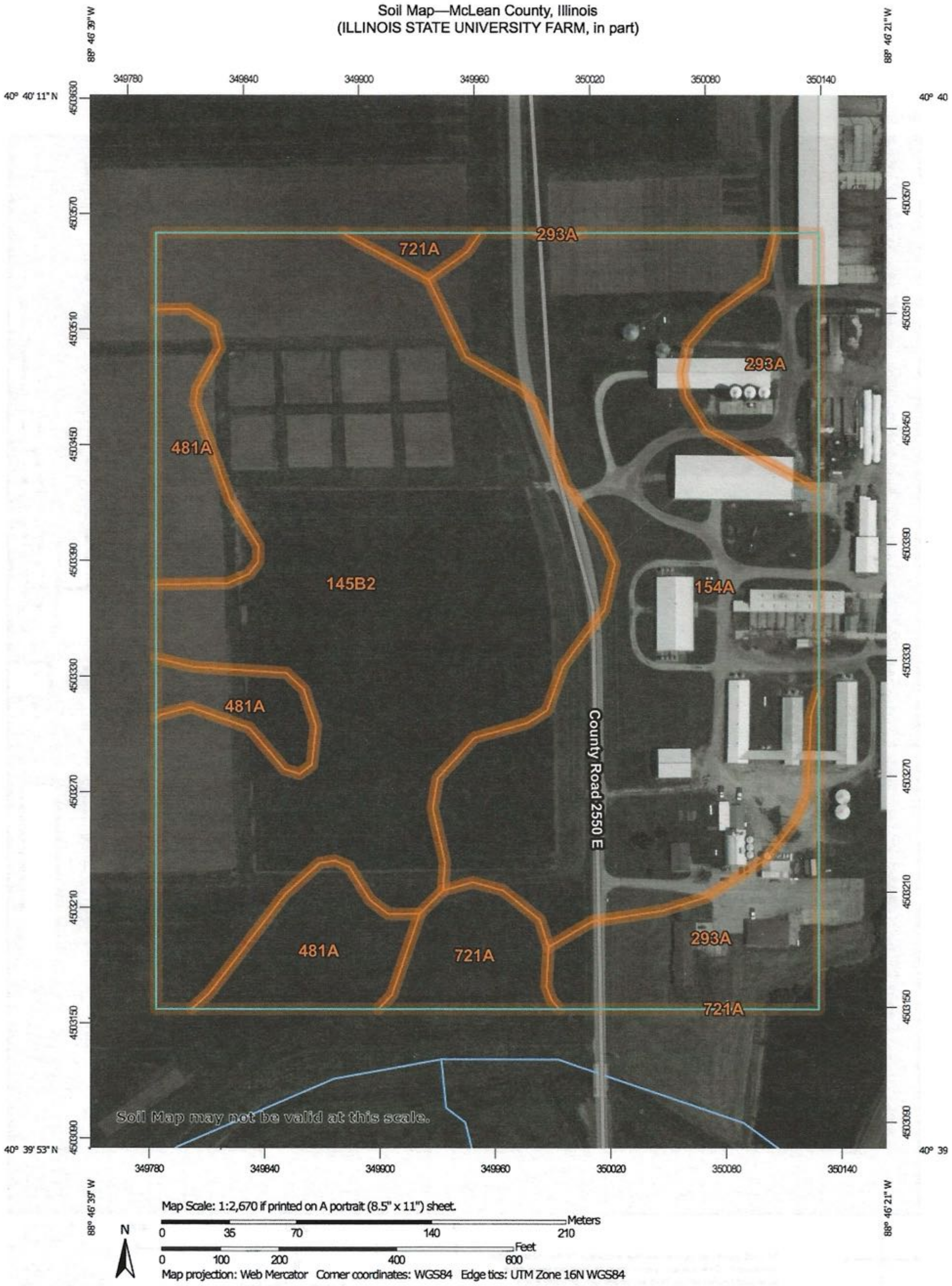
N
W E
S

McGIS does not guarantee the accuracy of the information displayed. Only on-site verification or field surveys by a licensed professional land surveyor can provide such accuracy. Use for display and reference purposes only.

0 200 400
ft
1 inch = 188 feet

McGIS

Soil Map—McLean County, Illinois
(ILLINOIS STATE UNIVERSITY FARM, in part)



Map Scale: 1:2,670 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 35 70 140 210

Feet
0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

ILLINOIS SOIL CLASSIFIERS ASSOCATION 2021 FALL WORKSHOP

SOIL PIT LOCATIONS

Stop No.: 1 Job Name: ISU Farm 21'N & 351'W of SE Corner Sec 32 , T26N, R4E McLean Co. IL Date: 9/23/2021

Soil No.: 55 Soil Name: Sidell sil (calcareous >40") Slope (%) / Aspect: 1% / NW / backslope

Chroma ≤2 Depth (in): >60"* Soil Classification: fine-silty, Typic Argiudoll

Restrictive Permeability Depth (in): --- Parent Material: loess / till & outwash mixed

Observed Groundwater Depth (in): --- Physiography: Central lowland prov./Till plains sec/Bloomington ridge plain subsec

Loess Depth (in): 36" Depth to Bedrock (in): >60" Sample Method: soil pit Soil Scientist: Djf

Remarks: * few depletions at 51" not diagnostic for seasonal high water table in IL Septic code

Horizon	Depth (In)	Main Color	Texture	Redoximorphic Features	Structure	Consist-ence	Coatings	Perme-ability	Remarks
Ap	0-7	10YR 3/2	sil		2-f-abk to 1-f-gr	mfi		.69	abk from compaction
A	7-13	10YR 3/2	sil		2-f-abk to 1-f-gr	mfr		.75	
BA	13-18	10YR 3/3	sicl <35% c		2-f & m-sbk	mfr	mc 10YR 3/2	.62	
Bt1	18-26	10YR 4/4	sicl <35% c		2-f & m-sbk	mfr	mc 10YR 3/2	.62	
Bt2	26-36	10YR 4/4	sicl >35%		2-m-pr to 2-f-abk	mfr	cd 10YR 4/3	.45	
2Bt3	36-51	10YR 4/4	sicl <35%		2-m-pr to 2-f-sbk	mfr		.52 - .62	not very till like
2BC	51-60	10YR 5/4	grcl & l	f-1-d 10YR 4/2 c-1-f 10YR 5/6	1-m-sbk	mfr		.45 - .69	l text. looks like till grcl looks like outwash

Stop No.: 2 Job Name: ISU Farm 19'N & 258'W of SE Corner Sec 32 , T26N, R4E McLean Co., IL Date: 9/23/2021

Soil No.: 290 Soil Name: Warsaw sil taxadjunct Slope (%) / Aspect: 3% / NE / shoulder-summit

Chroma ≤2 Depth (in): >60" Soil Classification: fine-loamy over sandy-skeletal, Mollic Hapludalf (Alfisol due to erosion)

Restrictive Permeability Depth (in): --- Parent Material: loess / outwash

Observed Groundwater Depth (in): --- Physiography: Central lowland prov./Till plains sec/Bloomington ridge plain subsec

Loess Depth (in): 7" Depth to Bedrock (in): >60" Sample Method: soil pit Soil Scientist: Djf & GDL

Remarks:

Horizon	Depth (In)	Main Color	Texture	Redoximorphic Features	Structure	Consist-ence	Coatings	Perme-ability	Remarks
Ap	0-7	10YR 3/2	sil		1-m-pl to 1-f-gr	mfr		.69	pl from compaction
2Bt1	7-12	10YR 4/4	cl <35% c		2-f-sbk	mfr	mc 10YR 3/2	.62	
2Bt2	12-18	10YR 4/4	gr cl	m-2-f 10YR 5/6	1-f-sbk	mfr	cc 10YR 3/2	.69	
2Bt3	18-24	10YR 4/4	vgrl	m-2-f 10YR 5/6	1-f-sbk	mfr	cd 10YR 3/2	.75	
2BC	24-36	10YR 4/4	vgrl	m-2-f 10YR 5/6	1-vf-sbk	mvfr		.75	v. slight efferv.
2C1	36-51	10YR 5/4	grs	m-2-f 10YR 5/6	0-sg	loose		1.0	strong efferv.
2C2	51-60	10YR 5/4	vgls	m-2-f 10YR 5/6 m-2-f 10YR 4/4	0-sg	loose		1.0	v. slight & strong eff. small zones of till

Stop No.: 3 Job Name: ISU Farm 86'N & 85'W of SE Corner Sec 32 , T26N, R4E McLean Co., IL Date: 9/23/2021

Soil No.: 154 Soil Name: Flanagan sil Slope (%) / Aspect: 1% / N / footslope

Chroma ≤2 Depth (in): 28" Soil Classification: fine, Aquic Argiudoll

Restrictive Permeability Depth (in): --- Parent Material: loess / till

Observed Groundwater Depth (in): --- Physiography: Central lowland prov./Till plains sec/Bloomington ridge plain subsec

Loess Depth (in): 54" Depth to Bedrock (in): >60" Sample Method: soil pit Soil Scientist: Djf

Remarks:

Horizon	Depth (in)	Main Color	Texture	Redoximorphic Features	Structure	Consist-ence	Coatings	Perme-abiiity	Remarks
Ap	0-9	10YR 3/2	sil		1-m-abk to 1-f-gr	mfi		.62	abk from compaction erosion sediments
A	9-19	10YR 3/1	sil		2-f-gr	mfr		.75	remnant original A
AB	19-22	10YR 3/2	sicl <35%		1-m-sbk to 2-f-gr	mfr		.62	
Bt1	22-28	10YR 4/4	sicl >35%	c-1-f 10YR 5/6	2-m-pr to 2-f&m abk	mfr	mc 10YR 3/2	.45	
Bt2	28-36	10YR 4/4	sicl >35%	c-1-d 10YR 5/2 c-1-f 10YR 5/6	2-m-pr to 2-f&m-abk	mfr	mc 10YR 3/2	.45	
Bt3	36-45	10YR 5/4	sicl >35%	c-1-d 10YR 5/2 c-1-f 10YR 6/6	2-m-pr to 2-m-abk	mfr	cd 10YR 3/2	.45	
Bt4	45-54	10YR 5/4	sicl <35%	m-2-d 10YR 5/2 m-2-f 10YR 6/6	2-m-pr to 1-m-sbk	mfr		.62	
2BC	54-60	10YR 5/4	sil	m-2-d 10YR 5/2 m-2-f 10YR 6/6	1-m-pr	mfr		.45	

Stop No.: 4 Job Name: ISU Farm 251'N & 66'W of SE Corner Sec 32 , T26N, R4E McLean Co., IL Date: 9/23/2021

Soil No.: 721 Soil Name: Drummer or Elpaso sicl (unable to describe >48" due to water table) Slope (%) / Aspect: 0% / - / toeslope

Chroma ≤2 Depth (in): 20" Soil Classification: fine-silty, Typic Endoaquoll

Restrictive Permeability Depth (in): --- Parent Material: loess and silty sediments

Observed Groundwater Depth (in): 48" Physiography: Central lowland prov./Till plains sec/Bloomington ridge plain subsec

Loess Depth (in): >48" Depth to Bedrock (in): >60" Sample Method: soil pit Soil Scientist: DJf

Remarks: Season high water table estimated at or near surface

Horizon	Depth (In)	Main Color	Texture	Redoximorphic Features	Structure	Consist-ence	Coatings	Perme-ability	Remarks
Ap	0-10	10YR 3/1	sil		2-m-abk to 1-f-gr	mfi		.69	abk from compaction mixing w.erosion sedi.
A	10-20	10YR 2/1	sicl <35%		1-m-abk to 2-f-gr	mfr		.62	remnant of original A
Bg1	20-25	10YR 4/2	sicl >35%		2-m-pr to 2-m-sbk	mfr	vmc 10YR 3/2	.45	
Bg2	25-37	10YR 4/2	sicl <35%	c-2-f 10YR 5/1 m-2-d 10YR 5/6	1-m-pr to 2-m-sbk	mfr	mc 10YR 3/2	.62	
Bg3	37-48	10YR 4/2	sicl <35%	m-2-f 10YR 5/1 m-2-p 10YR 5/6	1-m-pr to 1-m-sbk	mfr		.52	

STARTING A SOIL CONSULTING BUSINESS – Dr. Mike Konen

Excerpt from "Recommendation Guide for New Consulting Soil Classifiers" by Bruce Putman. The following are the viewpoints of Bruce Putman and are currently under review by the ISCA Technical Advisory Committee.

Ethics, Liability and Limitations of Practice for a Consulting Soil Classifier

A. Ethics and professional conduct expected of a soil classifier

1. The soil classifier is responsible to the client who hires them. The soil classifier should make the client aware of significant limitations and problems that become evident during their soils investigation.
2. The information obtained from the soil test belongs to the client and is not to be distributed to other individuals or government agencies without the permission of the client.
3. The soil classifier is to charge a professional rate that is reflective of industry costs and rates. The use of an unfair cost advantage is prohibited within in the ISCA rules and bylaws.
4. Location of soil borings. At times, the soil classifier may be directed by the homeowner or contractor to test in an area that is less than ideal. The soil classifier should suggest the area they think is best. If directed into a poorly suited area the soil classifier can refuse to test that area. Alternatively, the soil classifier may test the area and then clearly state the limitations of that area within the soil test report.
5. Bribery. Numerous soil classifiers have been offered money in exchange for favorable test results. Acceptance of money for favorable results that are not reflective of the site is criminal and absolutely prohibited by the ISCA.
6. Guarantees of soil suitability. The soil classifier should be cautious in making statements or guarantees of suitability for a septic field or of a property. A site that is suitable for a septic field does not mean that it is a desirable property for the client. The size of the lot, house location, number of bedrooms, severity of structural soil limitations for a foundation, water table severity, type of septic field, all have an influence on the potential purchase of a property. The soil classifier may want to recommend that the purchaser consult with a septic contractor/designer or the county health department prior to the purchase of the property.

B. Liability, lawsuits and depositions associated with on-site soil testing

1. Liability. The liability associated with a soil test is not limited to the cost of the soil test. Liability will be reflective of damage and loss caused to the client.
2. Lawsuits and depositions. The soil classifier may occasionally be brought into a lawsuit that involves a project they have previously worked on. When called for a deposition the soil classifier will be required to submit all paperwork that pertains to the job. This includes all handwritten fieldnotes and invoices. It is important that the soil classifier keeps a detailed and legible record of all fieldwork. Additionally, it is crucial that all required information be recorded in the field notes. This includes description details prescribed in the state health code such as color, structure, texture, etc. Lack of documentation or poor documentation may result in a negative judgement against the soil classifier in a court of law.

C. Limitations of practice for a soil classifier.

1. As stated within the ISCA Rules and By Laws, a soil classifier is not allowed to do soil testing that is related to soil structural strength. Structural recommendations for house foundations are strictly prohibited.
2. Consulting for basement wetness and associated high water table concerns is allowed.
3. Designing septic fields is permissible. The soil classifier should charge a separate professional fee for this work.
4. The soil classifier should not include septic design information within the on-site soil test report. Type of system, system size, system depth, etc. are septic design information and should be part of the septic design and report, and not the soil report.
5. Identification and mapping of hydric soils is allowed.

D. Insurance.

1. Commercial liability.

Commercial liability covers personal and property damage incurred during the soil test. Damages to utilities, buildings and property are covered. It is strongly recommended that all soil classifiers carry this insurance; 1 to 2 million dollars of coverage is common.

2. Errors and Omissions.

This insurance covers damages from errors or omissions within the soil report. This insurance only covers work that was insured during the time when the insurance is active. It does not cover work performed previous to obtaining the insurance. Use of this insurance is optional and is at the discretion of the soil classifier.

3. Life, health and disability insurance.

It is recommended that the soil classifier carry these types of insurance. The costs of these should be reflected in the fees charged by the soil classifier.

4. Lien waivers.

Lien waivers are used to verify that the work you have performed has been paid for. Therefore, lien waivers should only be signed and notarized after the work has been completed and paid for. The use of lien waivers is very common.

5. Workman's Compensation insurance.

Workman's compensation insurance is used to cover injuries that occur on while at work. Illinois law states that contractors may be liable for a subcontractor's injury when the subcontractor does not carry workman's compensation insurance. Therefore, it is common for contractors to require their subcontractors to show proof of workman's compensation insurance. Most large contracting companies will require proof of workman's compensation insurance.

RECRUITING AND TRAINING A NEW SOIL CLASSIFIER –
Bill Kreznor and Brandon Mueller

Figure 1. William R. Kreznor & Associates, Inc. became one of several sponsors of the UW-Stevens Point Soil Judging Team in 2017. The team took some time at the 2017 National Contest at the Nachusa Grasslands in Illinois to pose for a photo.

Figure 2. The UW-Stevens Point 2019 team T-shirt showing team sponsors.

Figure 3. Our modest space at the UW-SP College of Natural Resources Career Fair in early February 2020. This was our last major recruiting effort before the COVID-19 pandemic.

Figure 4. Flyer announcing presentation describing career opportunities for Soil Classifiers in the private sector in Illinois.

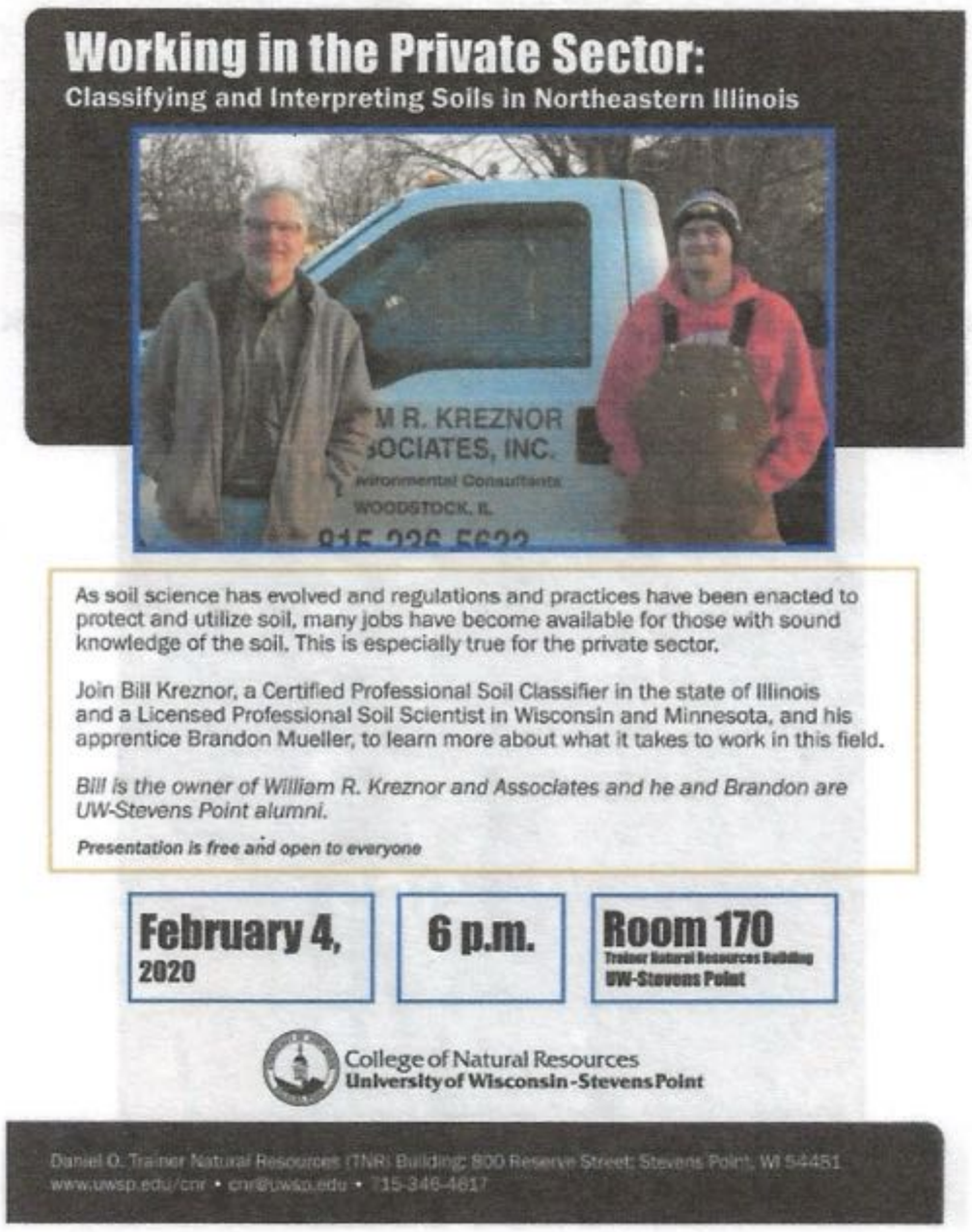


Figure 5. Internship position description.

Position: Consulting Soil Scientist/Soil Classifier Internship

General Terms of Employment: Full time 36-40 hours per week, minimum of 9 weeks beginning no earlier than 24 May 2021 and ending no later than 30 July 2021

Location: Northeastern Illinois and southern Wisconsin

Employer: William R. Kreznor & Associates, Inc.
904 Powers Road, Woodstock, IL 60098
www.wrksoiltesting.com

Contact: Bill Kreznor, CPSC, LPSS, President
815-236-5633
wkreznor@wrksoiltesting.com

Job Description: Intern will work under direct supervision of Bill Kreznor. Intern will conduct on-site soil investigations in rural, suburban, and urban settings; describe and classify soils and interpret their properties for suitability for onsite wastewater treatment, stormwater management best management practice, building sites, wetland banking, pond sites, and in-ground pools; gather appropriate remotely-sensed geographic information systems (GIS) data prior to and in the course of preparing reports; operate a truck-mounted drilling rig and use hand tools to collect samples for description; examine soil profiles from core samples and excavated pits; prepare written reports of investigations for clients; and meet or teleconference with clients, explain results of investigations, and make appropriate recommendations for land use and management.

Intern will be provided opportunities to network with professionals in soil science, civil engineering, land use planning, wastewater treatment system design and installation, and regulatory staff of local units of government including the Lake County (Illinois) Health Department (Environmental Health Division) and the Forest Preserve District of Kane County (Illinois).

Basic Requirements: Candidate will be working toward a B.S degree with a major in Soil and Waste Resources, or a related course of study that will include 12 to 15 credit hours in soils or related courses. Candidate will have excellent written and verbal communication skills. Candidate will have excellent organizational skills, demonstrate initiative, and be an effective manager of time. Candidate will have a driver's license and a clean driving record.

Physical Requirements: Position requires standing, walking, climbing, stooping, kneeling, reaching, pulling, pushing, and lifting as much as 50 pounds. There is exposure to adverse weather conditions, high noise levels, and proximity to drilling and excavating equipment and active excavations.

Preferred Qualifications: Candidate will benefit by having completed 4 to 6 semesters of course work at the time of employment; having coursework in soil profile description writing and/or active participation in collegiate soil judging; having some proficiency in information technology including word processing, communications, and social media; demonstrating active participation in extra-curricular activities such as (but not limited to) Soil Science Society of America, Soil and Water Conservation Society, and Waste Management Society; demonstrating a successful record/history of some type of employment; and having an interest in operating a business.

Compensation: $13.00 per hour

Flexible Work Schedule Option: Intern may adopt a flexible work schedule such as

Weekly: Four, 9-hour days per week with every Friday or Monday off; or

Bi-weekly (a): Eight, 9-hour days and one 4 to 8-hour day with every other Friday or Monday off; or

Bi-weekly (b): Nine, 8-hour days with every other Friday or Monday off

Special Compensation Package - Room and Partial Board: Employer maintains a home-office. Employer and spouse are "empty-nesters". There is a private bedroom and bathroom that can be made available to the intern along with at least 2 meals per day. Employer's rationale for offering this special package with or without a flexible work schedule is to recruit a qualified candidate who might not apply for this unique internship opportunity because of distance from home or higher cost of living in the Chicago metropolitan region. An intern selecting this option will be compensated at a rate of **$12.00 per hour**.

How to Apply: Send (via email or US mail) letter of interest, resume', copy of college transcripts, and list of courses in which you are currently enrolled to Bill Kreznor. Applications will be accepted until 26 February 2021.

Employer Information: William R. Kreznor and Associates, Inc. (WRK&A) was established in 1987. It is owned and operated by Bill Kreznor, CPSC (IL), LPSS (MN and WI). WRK&A is a small soil and environmental consulting firm operating throughout northeastern Illinois and southern Wisconsin. WRK&A employs two full-time soil scientists and one part-time office administrator. WRK&A provides on-site soil investigations and interpretations of soil properties for onsite wastewater treatment systems, building sites, stormwater management best management practices, wetland banking, pond sites, and in-ground pools. WRK&A also prepares detailed soil maps for land use planning and development. Clients include individuals, engineering firms, onsite wastewater system designers and installers, residential and commercial builders, land planners and developers, and local units of government.

BIOGRAPHIES

Dr. Robert L. Rhykerd, Professor, Illinois State University

Rob Rhykerd is a Professor of Soil Science in the Department of Agriculture at Illinois State University. He earned his B.S. and M.S. degrees from Purdue University and his Ph.D. from Texas A&M University. He joined the faculty at Illinois State University in 2001 and served as the Department Chair from 2007 – 2019. In addition to teaching and conducting research in the area of soil science Rhykerd has coached the ISU Soil Judging Team and hosted the Collegiate National Soil Judging Contest.

Rhykerd has served as Editor for the Natural Sciences Education journal and has received national teaching awards from the American Society of Agronomy and the Soil Science Society of America. He is a Fellow in the American Society of Agronomy and served as the President of the Non-Land Grant Colleges of Agriculture and Renewable Resources Universities.

Jason Lindbom, Farm Manager, Illinois State University

A native of Burns Township, Henry County Illinois, Jason is a 1991 graduate of Blackhawk East College and a 1993 graduate from Illinois State University in Agriculture Production. After graduation he worked for five years with GROWMARK in livestock nutrition research and development at what is now the ISU Research Farm. From 1999 to 2009 he worked as an independent representative of ABS Global Inc., which he continues today. In 2009 he joined the ISU farm staff an Assistant Research Technician and became the Farm Manager in 2017. Jason is a member of the Illinois Beef Association, American Angus Association, served as President of the Central Illinois Angus Association, and manages a small herd of angus cows.

Dr. Mike Konen, Professor, Northern Illinois University

Dr. Konen is currently an associate professor in the Department of Geographic and Atmospheric Sciences at Northern Illinois University. He holds a Ph.D. in Soil Science from Iowa State University, a M.S. in Soil Science from The Ohio State University, and a B.S. in Agronomy from Iowa State University. Dr. Konen is a certified professional soil scientist (SSSA) and a certified professional soil classifier (SSSA & ISCA). He has served as chair of the Soil Science Society of America's Council of Soil Science Examiners which authors the national certification and several state licensing exams and has served as a director with the DeKalb Co. SWCD and on the ISCA and ARCPACS certification boards.

Konen teaches courses in Soil Science, Soils and Land Use Planning, Field Methods, Physical Geography, and Pedology. In 2011 he was honored with the Excellence in Undergraduate Teaching Award by Northern Illinois University. His research focuses on: human impacts on soils and landscapes; soil carbon sequestration; soil-landscape relationships in glaciated landscapes; glacial and periglacial geomorphology; Quaternary sediment mapping in northern Illinois; and post-glacial landscape changes in Midwestern U.S.

Scott Wegman, CPSC

Scott grew up in Henderson County, IL and got a bachelor's degree in Soil Science from the University of Illinois in 1987. For the first four years of his soil science career, he worked in the public sector (Pike, Tazewell and Woodford County soil surveys, and Lake County Health Department). In 1992 he went to the private sector. Before starting his own business, he worked as a soil scientist (among other things) for three consulting engineering companies: a small one (Environmental S/E), a large one (ENSR-AECOM), and an old one (Klingner & Associates). He also completed an M.S. in Geology during that time. In 2004, he started a soil science consulting business, Elijah's Brook, Inc. and has worked there ever since. Currently, he works for Elijah's Brook, Inc. about half time and about half time for a not-for-profit mental health counseling organization he started after getting an M.A. in counseling in 2013. He has been married to Dawn for 28 years, and they have 6 children. They live in Taylor, MO, which is about 5 miles west of Quincy, IL. About 90 percent of the onsite soil investigations he does are in Illinois.

Bob Tegeler, CPSC

Bob currently resides in Divernon, IL, which is about 15 miles south of Springfield, IL. Originally from the Whiteside Co. area, he attended Sauk Valley Community College and graduated from the University of Wisconsin-Stevens Point in 1976 with a Resource Management Major and Soil Science Minor. Bob began working with the Soil Conservation Service (SCS)/Natural Resources Conservation Service (NRCS) in 1976 as a Soil Scientist, student trainee. In January 1977, he began working full time with SCS on the Champaign County soil survey, and over the years worked on numerous county soil surveys in Illinois. Bob was the Springfield MLRA Soil Survey Office Leader when he retired from NRCS in 2019. In 2003 Bob started conducting soil investigations for septic systems on a part time basis, and he is continuing to do soil investigations in central Illinois.

Doug Gaines, CPSC

Doug is a Certified Professional Soil Scientist and Soil Classifier, Illinois Soil Classifiers Association. He Grew up on a farm in Southern Illinois and received a Bachelors in Ag Science (Agronomy) from the University of Illinois (1983). Doug worked with Cooperative Soil Survey in Illinois and Missouri as a Soil Scientist from 1983 - 1990. He then worked for a geotechnical engineer as a Field Technician, Staff Scientist, and Project Scientist from 1990 - 1994. He has owned his own consulting firm specializing in Soil Site Evaluations for septic systems and wetlands studies for 27 years. He served as President twice for the Illinois Soil Classifiers Association as well as other committee roles. His professional certifications are with the Soil Science Society of America, Illinois Soil Classifiers Association, and he is licensed by the State of Missouri.

Bill Kreznor, CPSC

Bill has been an active member of the Illinois Soil Classifiers Association for over 40 years and has been certified by ISCA since 1983. He has served as President and Vice-President of ISCA, has chaired and served on many committees, and has been appointed for several terms to the Certification Board. He currently serves as ISCA Historian and as a member of the Technical Advisory Committee. He earned a BS in Forest Management at the University of Wisconsin-Stevens Point, and a MS in Agronomy at the University of Illinois. With his wife Nancy, Bill has owned and operated William R. Kreznor & Associates, Inc., a soil and environmental consulting firm since 1987. His outfit is headquartered in Woodstock and services northeastern and north-central Illinois and southern Wisconsin. He and Nancy have two adult children who (thankfully) have their own lives elsewhere. In his spare time Bill enjoys wading local streams for smallmouth bass and learning to play the Fender bass so he can sit in with the church band when the regular bassist can't make it.

Brandon Mueller, ISCA Member

Brandon Mueller is currently employed as a soil scientist at William R. Kreznor & Associates, Inc. He graduated from the University of Wisconsin - Stevens Point in May 2019 with a Bachelor of Science degree in Soil & Land Management. Additionally, he minored in Wildlife Ecology & Management and completed his certification as a Wetland Professional in Training. While in college, he participated in one regional collegiate soil judging competition and one national collegiate soil judging competition. His experiences at both of these contests helped him come to the realization that he wanted to make a career out of classifying soils.

Shortly after graduation, he moved to Woodstock, Illinois where he began working alongside fellow ISCA member, Bill Kreznor, conducting on-site soils investigations. For the past two years, Bill Kreznor has acted as Brandon's mentor as he pursues the necessary credits and experience needed before taking the exams to become a Certified Professional Soil Classifier. When he is not classifying soils, Brandon enjoys kayaking, biking, hiking, fishing, woodworking, golfing, and playing soccer.