2022 APM Meeting
DNR - Industry

Madi Johansen, Carroll Schaal, Emily Hjalmarson, Amy Kretlow, Maureen Ferry, Jacob Dickmann, Michaela Kromrey, Michelle Nault.

January 27th.

Zoom Reminders

- All participants will be muted
- If you have a question, use the “raise hand” feature
  - Should be in the bottom corner under participants list
- During Q&A time meeting hosts will go to each participant in the order they raised their hands and unmute so they can speak.

Agenda

- Session 1 - General Updates and Reminders
  - 9- 11:30 AM (may end early)
- Session 2 – IT and Permitting Updates
  - 12:30 – 1:30 PM
- Session 3 – Technical Session
  - 1:45- 2:45 PM

These sessions will be recorded and posted on our website.

Staffing Updates

Carroll Schaal

Industry Staffing/Contact Updates

- Please let us know if:
  - You have new staff.
  - You have updated contact information.
  - You have preferences for communication (phone or email).

- Any other information that may help us work with you quickly and efficiently this year?

DNR Staffing Updates

- Intake Staff
  - Emily Hjalmarson will continue to manage pond permits.
  - Schuyler (pronounced Skylar) Todd will be assisting with pond permits.
  - Liz Rockow will continue to handle Intake for non-private permits.

- Other new staff updates
  - Greta H. will be joining the team in Madison to assist with AIS research grants and APM research topics.

DNR Staffing Updates

- Regional staff updates
  - Arthur Watkinson is the Lakes Biologist/APM Coordinator for SC WI.
    - Sue Graham retired last May
  - Michelle Soderling and Amanda Schmitz will be assisting Heidi Bunk, Craig Helker and Arthur Watkinson with permitting this year.
  - Colton Hutchinson will be assisting Scott Provost with permits this year.

An updated map of the point of contact for each region will be up on our website soon.

AIS Program Updates and Reminders

Amy Kretlow and Maureen Ferry

AIS Program
Moving Forward

WDNR Changes in AIS:

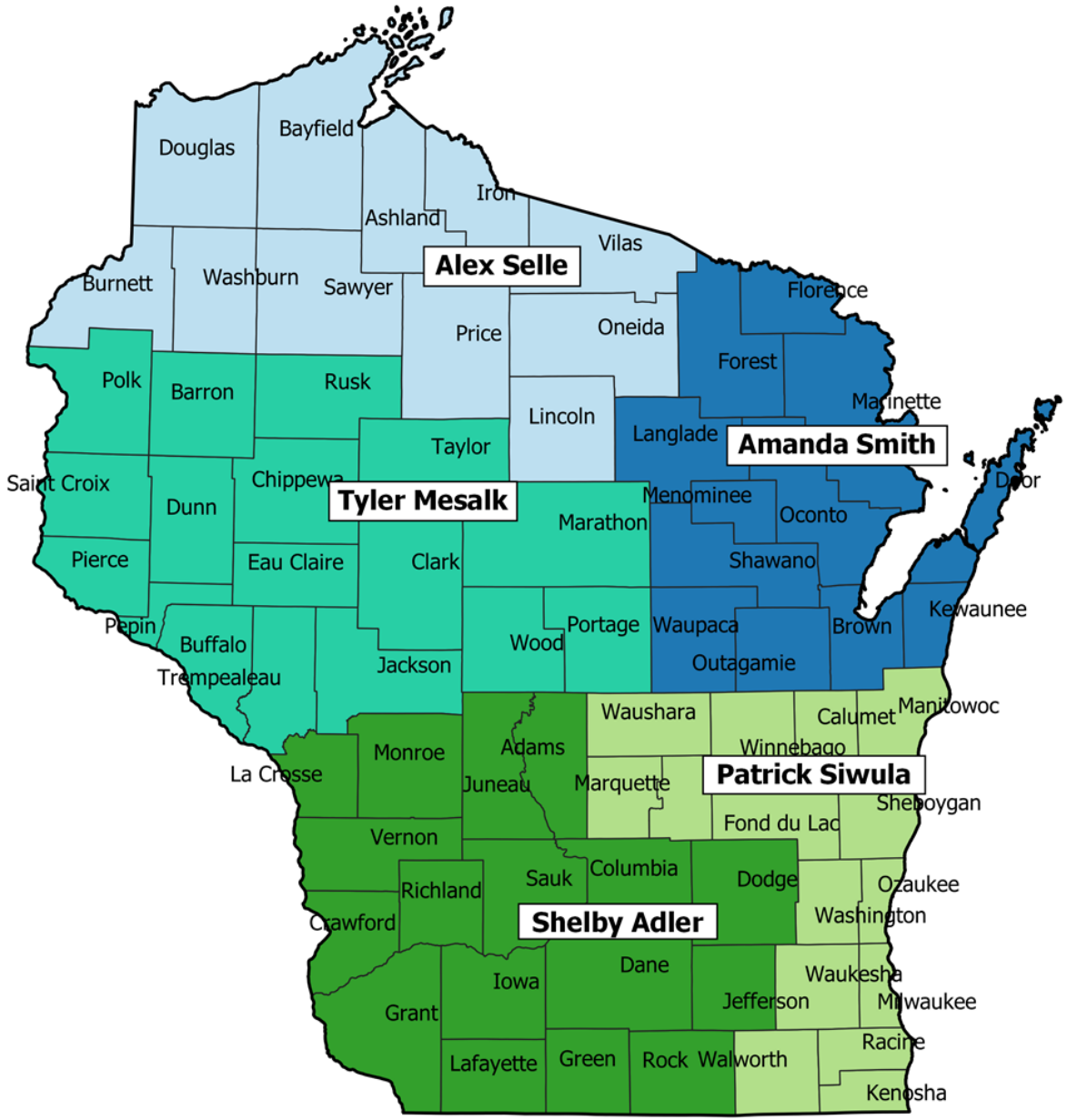
Five Regional AIS Staff

Pathways Approach

Lake Monitoring and Protection Network (LMPN Program)

Five Regional AIS Staff

- More stability with staff
- Consistency around the State
  - Roles and Responsibilities of staff
  - Communications
  - Training of new staff/partners



AIS Pathways Approach

WI Management Plan –

Goal 1: Prevent the introduction of new aquatic invasive species into Wisconsin

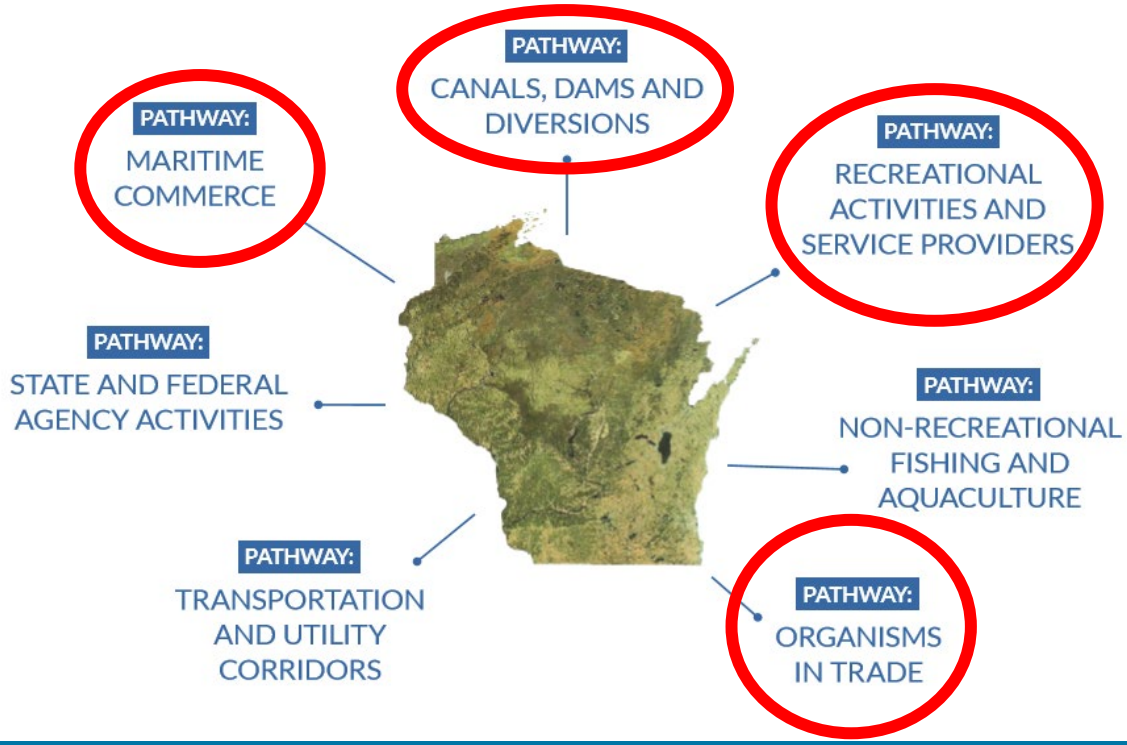
Goal 2: Contain the spread of aquatic invasive species in Wisconsin

Goal 3: Control existing populations of aquatic invasive species to minimize harmful impacts

Pathways:

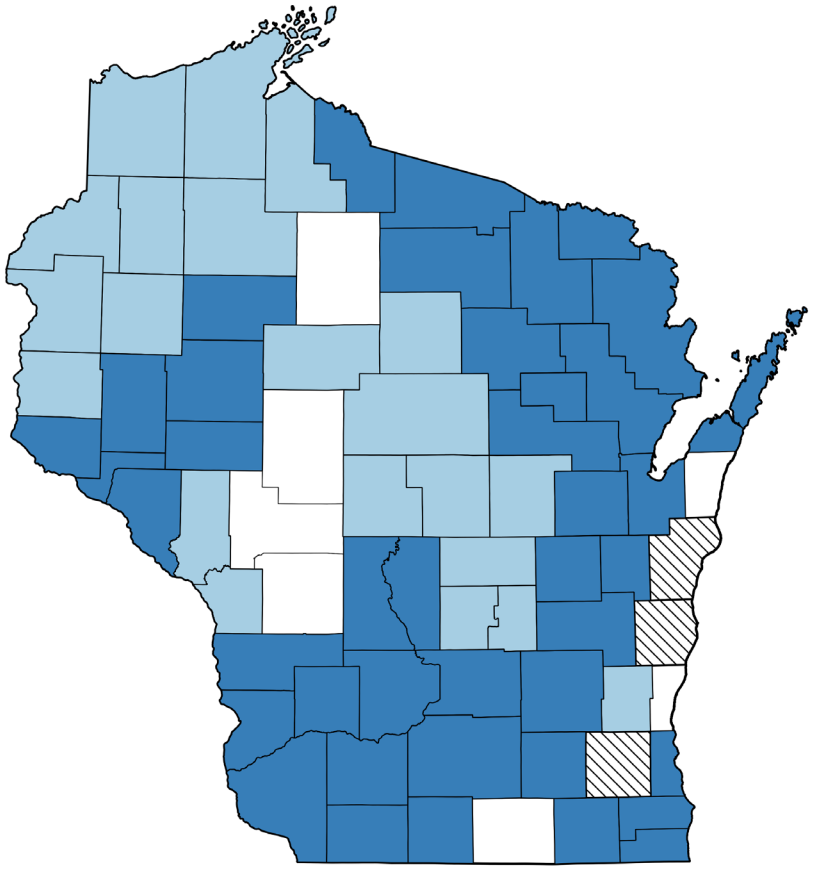
Proactive Approach vs. Reactive Approach

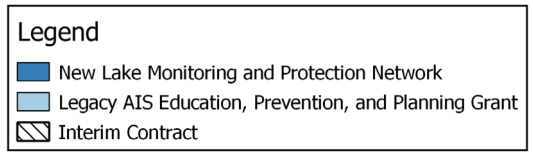
- Seven main pathways
- Sub-Pathways under each of the main pathways
- Priority assessments on pathways



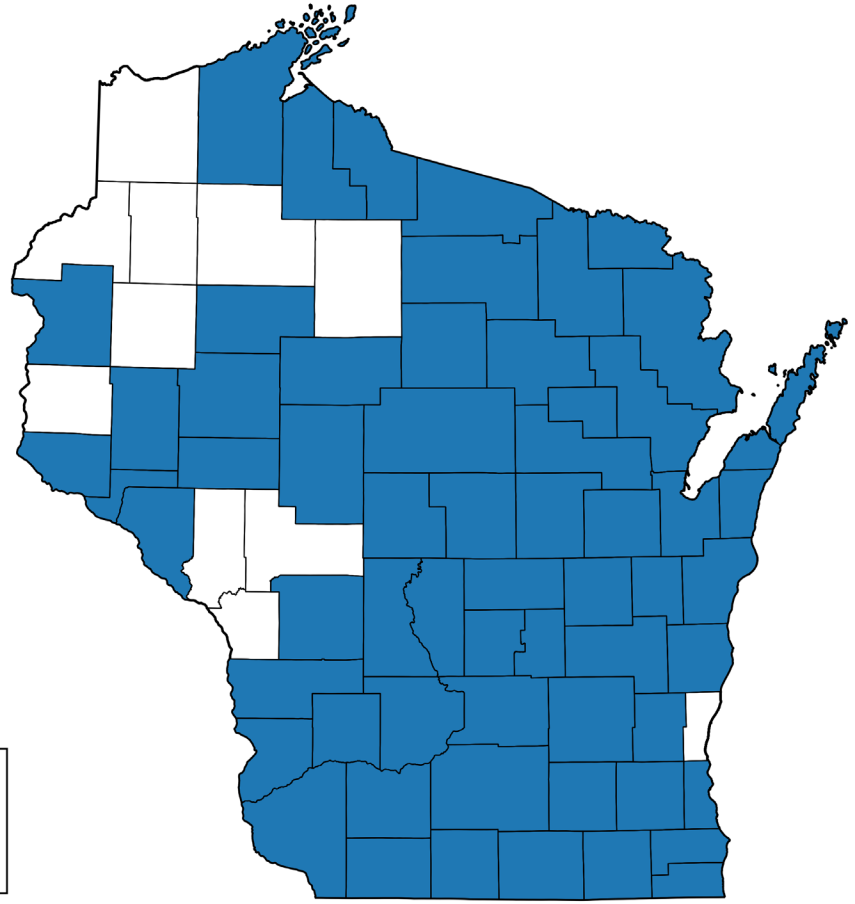
Lake Monitoring and Protection Network (LMPN Program)

2021 Coverage





*Estimated 2022 Map as of Oct. 11, 2021



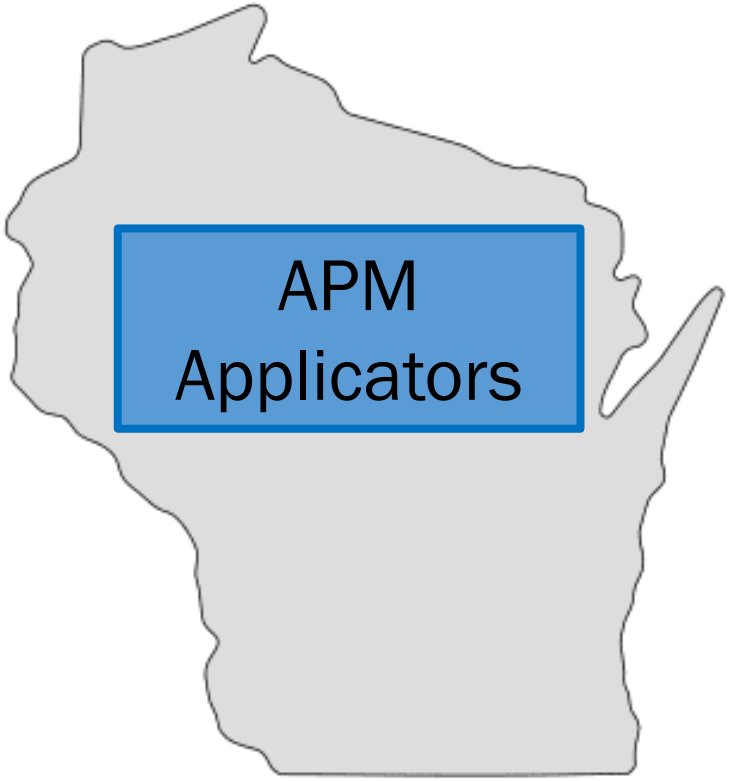
Aquatic Invasive Species Monitoring

Maureen (Ferry) Kalscheur
Aquatic Invasive Species Monitoring Lead

January 27, 2022

Wisconsin's AIS Monitoring

WISCONSIN
DEPT. OF NATURAL RESOURCES



Citizen Lake
Since 1986
Monitoring Network

Extension
UNIVERSITY OF WISCONSIN–MADISON

wav WATER ACTION VOLUNTEERS

C

Aquatic Invasive Species Efforts

The Wisconsin AIS Management Plan, which was updated and approved in 2019, outlines Wisconsin's approach to preventing and managing the undesirable impacts of aquatic invasive species and will be used to plan future work. By applying our 'Prevent, Contain, Control' goals to managing invasion pathways, we hope to further reduce the impacts of these unwanted species.

See the Wisconsin Aquatic Invasive Species Management Plan [PDF] for more information.

Objectives

- Increase monitoring
- Respond to emerging threats
- Step up enforcement
- Work with partners

Efforts

- Contain & Control
- Education & Outreach
- Grants
- Great Lakes Restoration Initiative
- Monitoring
- Watercraft Inspection

For Coordinators

- AIS Media Campaign
- Bait Dealer Effort
- Boat Disinfection
- Drain Campaign
- Landing Blitz
- Publications [PDF]
- Reporting AIS
- Signage
- Water Guard
- Waterfowl Hunter

Aquatic Invasive Species

Take Action

- Take Prevention Steps
- Volunteer

Data & Maps

- Lakes and aquatic invasive species mapping tool
- Lakes and Rivers with Aquatic Invasives
- Sign Installation
- Species Locations
- Watercraft Inspection Data

Staff & Volunteers

- Log in to Enter Data

Contact information

For information on Lakes in Wisconsin, contact:

Wisconsin DNR Lakes
Division of Water
Bureau of Water Quality

AQUATIC, SHORELINE AND WETLAND

Learn what species are invasive by reviewing the NR40 factsheets.

REPORTING INSTRUCTIONS

IF IT IS AN AQUATIC OR WETLAND PLANT OR ANIMAL

- **Photograph** Take a digital photo(s) of the species in the setting where it was found and include a common object in the photo for size reference.
  - For plants include flowers, leaves, stem arrangement, and fruits.
  - For animals include shells, top and bottom and any identifying characteristics.
- **Collect** up to 5 intact specimens to aid identification.
  - For plants, try to get the root system, stems, leaves, flowers, and seeds. Place plants in a Ziplock bag with a damp paper towel.
  - For animals, try to get the entire animal if possible. Place animals in a jar with water or ethanol. Place on ice and store in a refrigerator as soon as possible.
- **Record** details using:
  - Your planned project data in the Surface Water Integrated Monitoring Systems (SWIMS); OR
  - Aquatic Invasive Species Incident Report [PDF]; OR
  - Just take notes.
- **Submit** the photos, specimen and form/notes to the DNR Aquatic Invasive Species Regional Coordinator/Point of Contact and SWIMS.

Rules and Regulations

Wisconsin Invasive Species Council

AIS Efforts

Publications

For more information, contact:

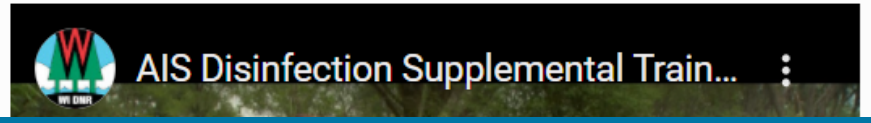
DNR invasive species staff

BOAT, GEAR AND EQUIPMENT DECONTAMINATION AND DISINFECTION MANUAL CODE 9183.1

BEST MANAGEMENT PRACTICES

The general public are required to follow decontamination steps identified in s. NR 40.02(44) and NR 40.07 to prevent the spread of invasive species. This webpage outlines best management practices (BMPs) for the boat, gear and equipment. Decontamination and disinfection manual code, which requires all Wisconsin Department of Natural Resources employees, agents, and permittees that transport equipment between waters to take additional prevention steps. If you are unsure if you are required to follow this guidance, please review the Common Questions and Answers [PDF]. If you still have questions, contact the person that issued your contract or permit or the DNR invasive species team.

1. Manual Code #9183.1 [PDF]
2. Full BMPs for boat, gear and equipment decontamination [PDF]
3. Check for species present in the work area using one of the following tools:
    - Lakes and aquatic invasive species mapping tool
    - Lakes, Rivers and Wetlands with Aquatic Invasives
4. Select the best disinfection method for species present



Invasive Species

Learn More

Report an Invasive

Prevent the Spread

Control Measures

Rules and Regulations

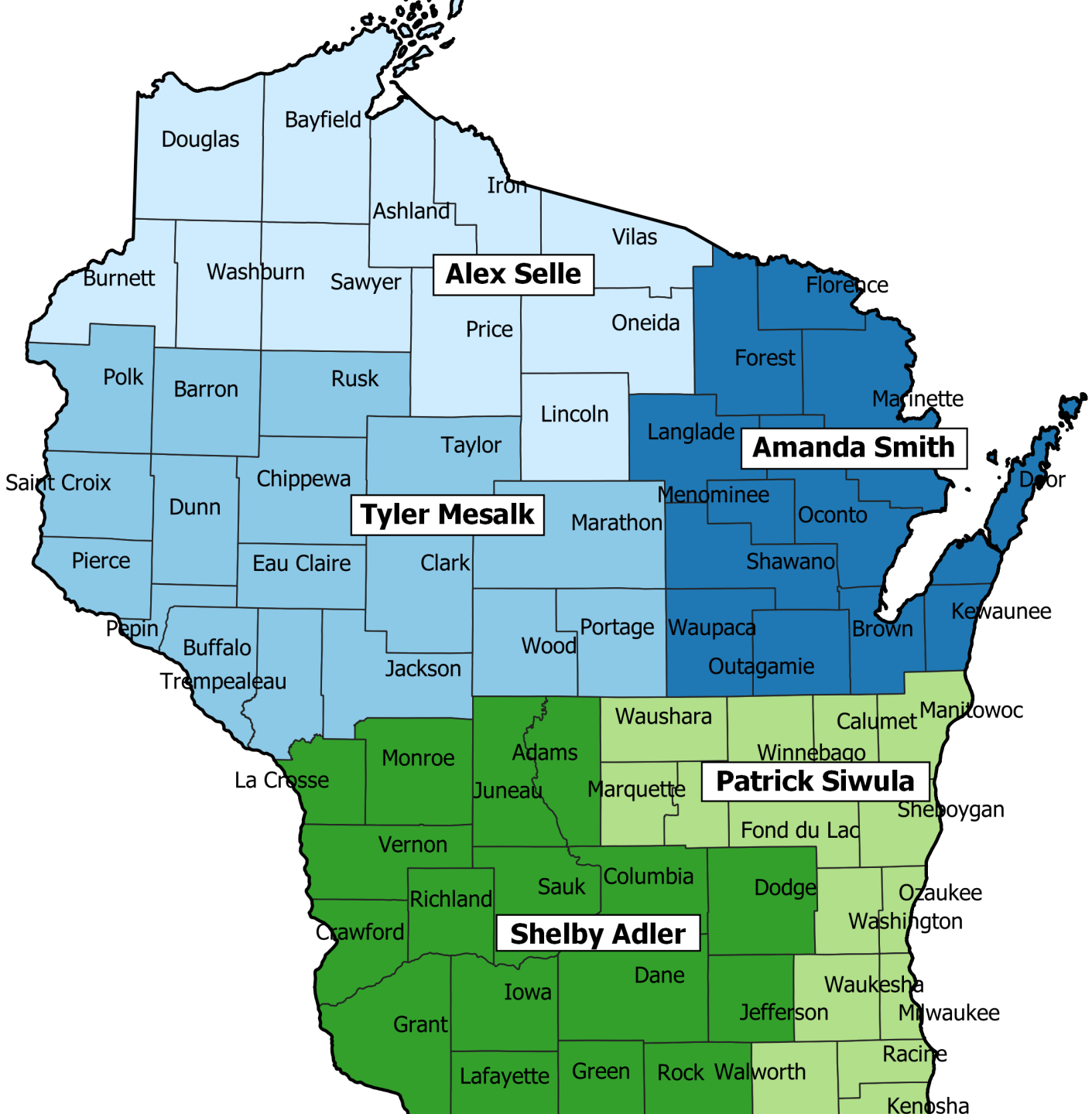
Wisconsin Invasive Species Council

AIS Efforts

Publications

For more information, contact:

DNR invasive species staff


Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Alex Selle
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Lincoln
Marinette
Langlade
Amanda Smith
Taylor
Saint Croix
Chippewa
Door
Dunn
Menominee
Tyler Mesalk
Marathon
Oconto
Pierce
Eau Claire
Clark
Shawano
Pepin
Buffalo
Portage
Waupaca
Brown
Kewaunee
Wood
Trempealeau
Jackson
Outagamie
Waushara
Manitowoc
Calumet
Monroe
Adams
Winnebago
La Crosse
Juneau
Marquette
Patrick Siwula
Sheboygan
Fond du Lac
Vernon
Columbia
Sauk
Dodge
Ozaukee
Richland
Washington
Crawford
Shelby Adler
Dane
Waukesha
Iowa
Jefferson
Milwaukee
Grant
Racine
Lafayette
Green
Rock
Walworth
Kenosha

Questions?

Maureen Ferry

AIS Monitoring Coordinator

Maureen.ferry@Wisconsin.gov

(608) 261-7463

Aquatic Invasive Species Contacts - Aquatic Invasive Species - Regional Coordinator/Point of Contact (wi.gov)

Permit Reminders

Madi Johansen

QAQC

A member of the public should be able to answer this question when looking at a permit

“What was permitted on X waterbody? How many acres will be managed? What species are to be treated? What chemicals or equipment will be used?”

QAQC

- Specificity in permits for non-private waters
  - Clear and concise herbicide list
  - Clearly delineated treatment areas
  - Public notice requirements met, when appropriate
- These are not new requirements

Non-private ponds

- Issue arose during permit review of private ponds in 2020
  - Program priority to assess private pond permits in detail to confirm accuracy
- With urban development, some ponds are not considered “private” under existing NR 107 rule.
- Some waterbodies required to do public notice due to the way the ponds are classified

Permit Reminders – Applicant contact info

- Applicant Information must be on the form correctly.
  - Your business information is not correct
  - Missing information is not correct.

- Personal contact information has been removed from publicly viewable permits once they are submitted.

Permit Reminders - Responsibilities

- If you are submitting a permit for an applicant, you are responsible to meet all of the requirements of the permit form and NR 107 or 109.
  - If the applicant is taking some part of the responsibility, notifying their neighbors of a treatment as an example, you should ensure that they are following the correct procedure and adequately informing all appropriate parties.

Permit reminders – Map Quality

- What's a good map?
- https://dnr.wi.gov/lakes/plants/forms/current_form/Map.pdf

We should be able to look at your map, your control areas on the form and the planned control method to figure out what's being proposed.

Permit Issuance

- Permits should be issued within 10-15 business days
  - Unless placed on hold
- Lack of planning not our emergency
  - Please submit at least 15 business days prior to when trying to treat
- If haven't heard by the 15th business day, check in with the biologist

E-Check Payment Option

- Avoids credit card fee
- Some business bank accounts have debit blocks/filter that don’t allow e-check payments
- Provide your bank the DNR’s Company ID#s to allow funds to be drawn
  - F396006436
  - K396006436

15-minute break

Questions on Previous Section?

10-15 minutes

Point Intercept Database

Michaela Kromrey

Aquatic Plant Point Intercept Database (dnrappi)

- APDB → APPI
- actively working to make the PI data publicly available
- currently using the same excel entry workbook
  - this might change once oracle appi database finalized
- For now data submissions, data requests, and PI grid requests should be sent to :
  - DNR Baseline Aquatic Plant Survey (dnrbaselineaquaticplants@wisconsin.gov)
  - Michelle Nault (michelle.nault@wisconsin.gov)
  - Michaela Kromrey (michaela.kromrey@wisconsin.gov)

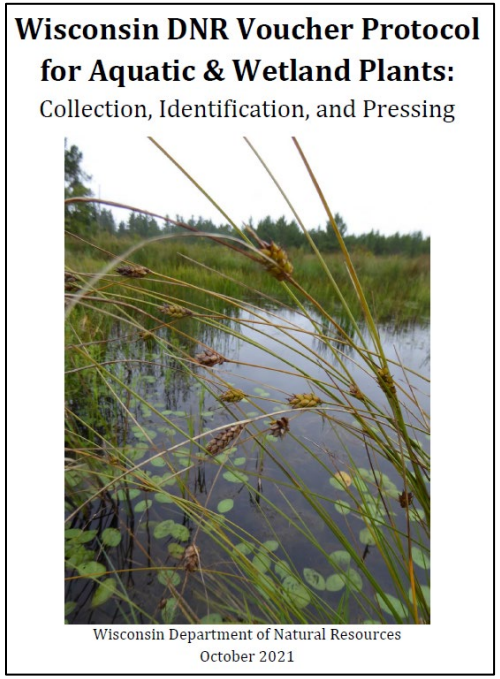
PI data submission

- Occasional disconnect with PI submissions
  - not getting added to the appi

- Send completed PI surveys to DNR Baseline in addition to the normal people you send data too
  - DNR Baseline Aquatic Plant Survey (dnrbaselineaquaticplants@wisconsin.gov)
  - Michelle Nault (michelle.nault@wisconsin.gov)
  - Michaela Kromrey (michaela.kromrey@wisconsin.gov)

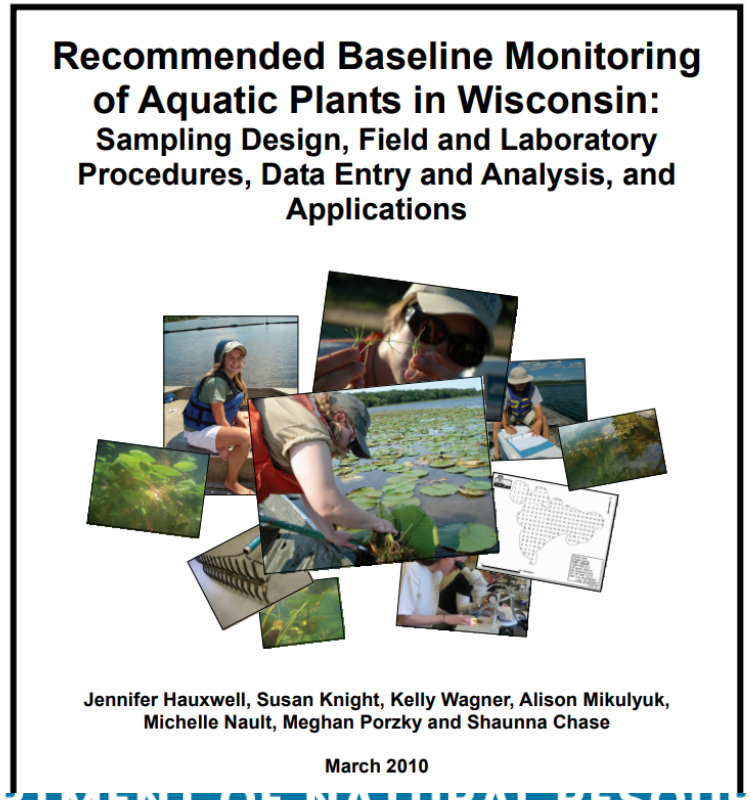
Vouchers

- Piloting APTA (aquatic plant taxonomic assurance)
- new vouchering documentation
- trying to standardize quality
  - vouchering is in the PI protocol



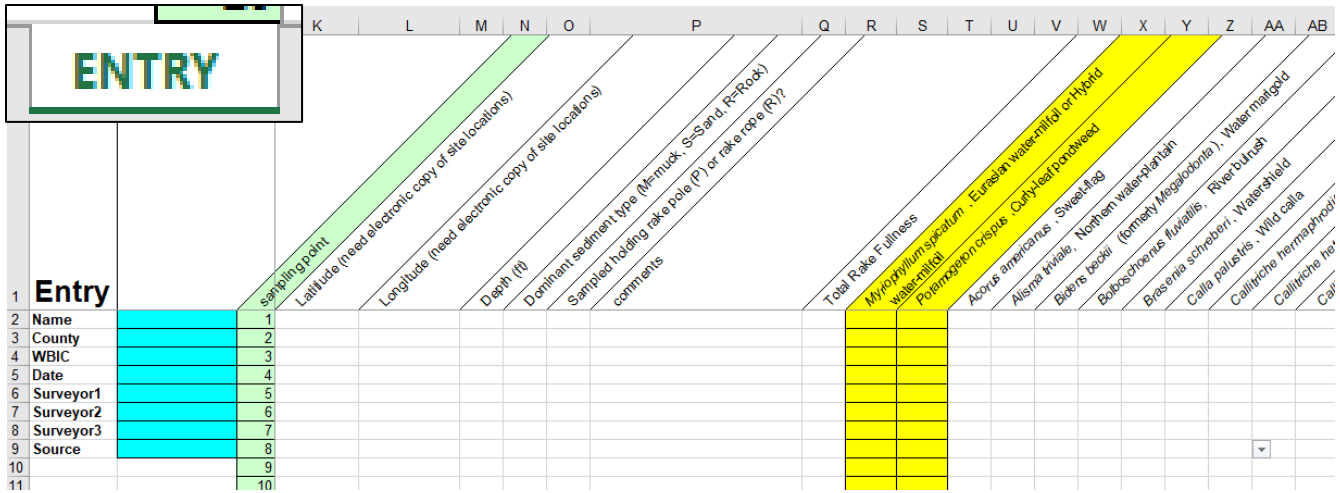
Review PI protocol

- PI protocol on UWSP website
  - https://www.uwsp.edu/cnr-ap/UWEXLakes/Documents/ecology/Aquatic%20Plants/PI-Protocol-2010.pdf



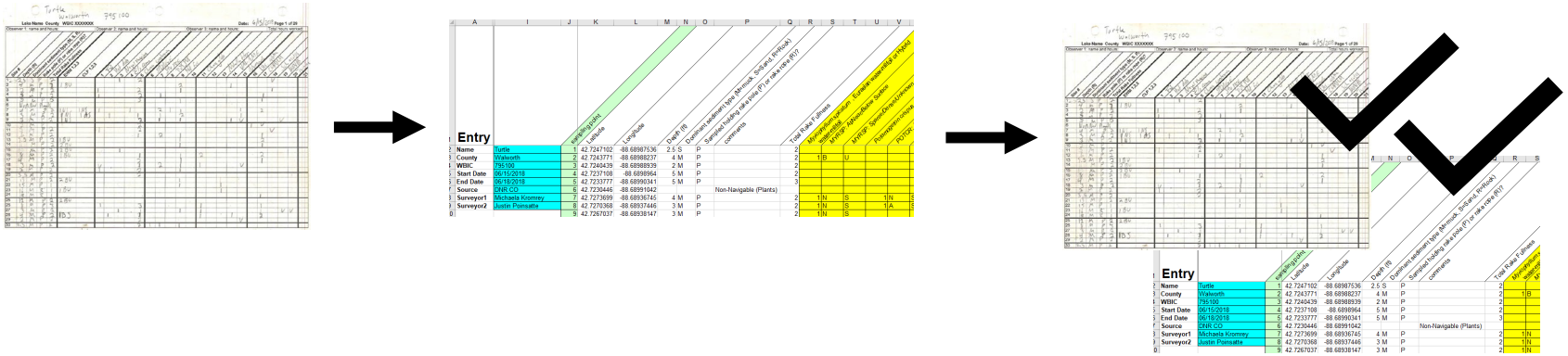
Use Blank Entry form

- Use new/blank copy of the PI Entry sheet each time you enter data.
  - appendix c. on UWSP website
- Please do not edit the entry sheet this exact format is used to upload survey



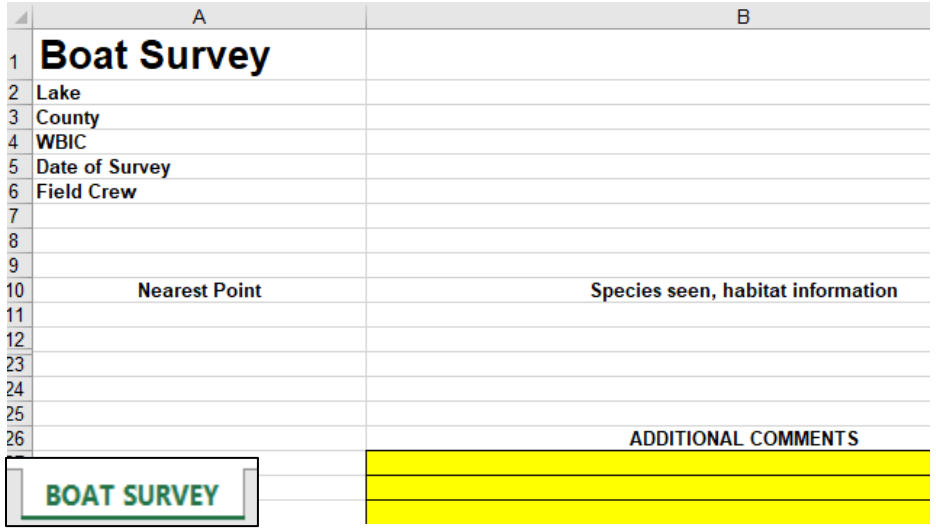
QA reminders

- Double check the data entries when transcribing from paper to excel workbook
  - catch transcribing errors
  - shifting a row/column silent error not caught in the QA process



QA reminders

- Add notes to the
  'Boat Survey' sheet



- Notes could include:
  - voucher information on uncommon species
  - survey comments
  - relevant information
  - ex. If there was a reason why standard protocol was not followed write in BS sheet. (lost pole rake in deep hole used rope for rest of survey)
- This is checked before upload

- Clean data saves time, less email communication on data clarifications

Common data entry mistakes

Typo plant names

- CHECK species list on the stats page. Make sure all species listed are correct.

STATS

ned pondweed	fólia, Narrow-leaved cattail	ypha latifolia, Broad-leaved cattail	Typha sp., Cattail	Utricularia comuta, Horned bladderwort	Utricularia geminiscapa, Twin-stemmed bladderwort	Utricularia gibba, Creeping bladderwort	Utricularia intermedia, Flat-leaf bladderwort	Utricularia minor, Small bladderwort	Utricularia purpurea, Large purple bladderwort	Utricularia resupinata, Small purple bladderwort	Utricularia vulgaris, Common bladderwort	Vallisneria americana, Wild celery	Wolffia borealis, Northern watermeal	Wolffia columbiana, Common watermeal	Zannichellia palustris, Horned pondweed	Zizania aquatica, Southern wild rice	Zizania palustris, Northern wild rice	Zizania sp., Wild rice	Aquatic moss	Freshwater sponge	Filamentous algae	Ricciia fluitans, Slender ricciia	Ricciocarpus natans, Purple-fringed ricciia	Chara contraria	sp2	sp3	sp4
									2.55	5.53	3.40	3.40								16.17			6.38				
									1.31	2.84	1.75	1.75								8.30			3.28				
									1.0	2.2	1.4	1.4											2.6				
									0.00	0.00	0.00	0.00											0.00				
									6	13	8	8								38			15				
									1.17	1.15	1.00	1.00								1.34			1.53				
									3	1	18	18								8							
									present	present	present	present								present			present				

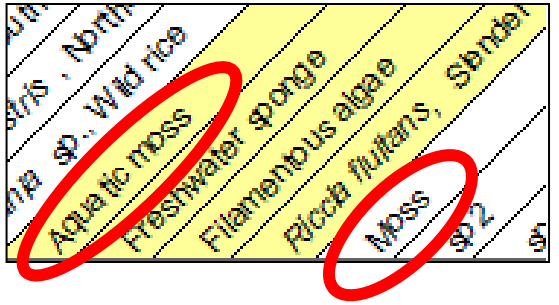
Typo plant names

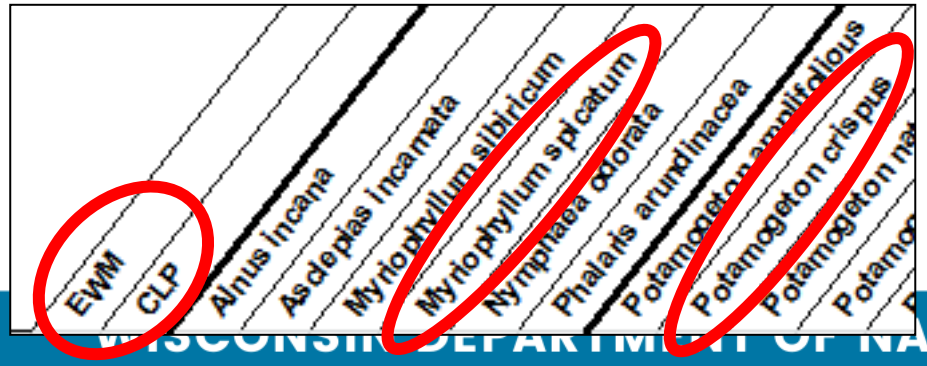
- Common error: entering a species that is not on the lake
- Seriousness level: If a species doesn't look like it should be on a lake QA staff will contact you about voucher/ID. If not spotted, silent error incorporated into the appi

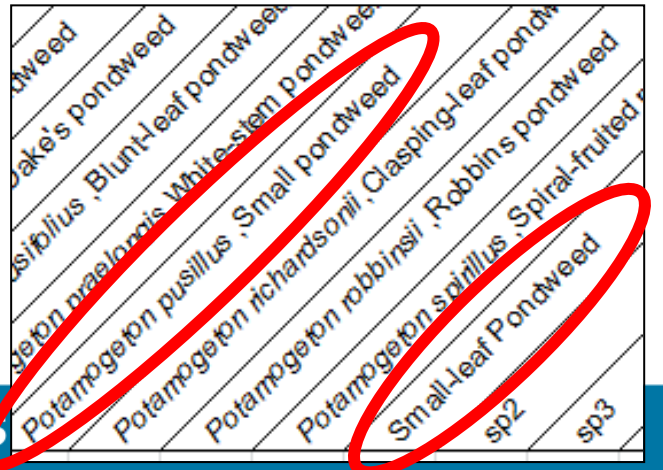
	STATS	Total vegetation	*Myriophyllum spicatum*, Eurasian water milf	*Potamogeton crispus*, Curly-leaf pondweed	*Acorus americanus*, Sweet-flag	*Alisma triv*ale, Northern water-plantain	*Bidens beckii* (formerly *Megalodonta*), Water marigold	*Brasenia schreberi*, Watershield	*Calla palustris*, Wild calla	Callitriche hermaphrodtica, Autumnal water-starwort	Callitriche heterophylla, Large water-starwort	Callitriche palustris, Common water-starwort	*Carex comosa*, Bottle brush sedge	*Calabrosa aquatica*, Brook grass	*Ceratophyllum demersum*, Coontail	*Ceratophyllum echinatum*, Spiny hornwort	*Chara sp.*, Muskgrasses	*Comarum palustre*, Marsh cinquefoil	*Decodon verticillatus*, Swa	*Dulichium aru* sedge
Lake	Wingra																			
County	Dane																			
WBIC	43697																			
Survey Date	08/21/19																			
	INDIVIDUAL SPECIES STATS:																			
	Frequency of occurrence within vegetated areas (%)		62.98	0.43			0.43							95.74						
	Frequency of occurrence at sites shallower than maximum depth of plants		32.31	0.22			0.22							49.13						
	Relative Frequency (%)		25.6	0.2			0.2							38.9						
	Relative Frequency (squared)	0.23	0.07	0.00			0.00							0.15						
	Number of sites where species found		148	1			1							225						
	Average Rake Fullness	1.81	1.53	1.00			1.00							1.53						
	#visual sightings		1											1						
	present (visual or collected)		present	present			present							present						

Duplicated plant names

- Common error: adding a plant name that already exists in the spreadsheet
- Seriousness level: if differing rake fullness data recorded in both columns, the whole survey may not be added to the database.







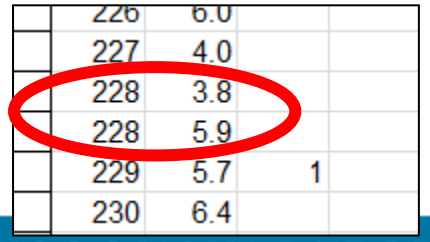
TRF and RF

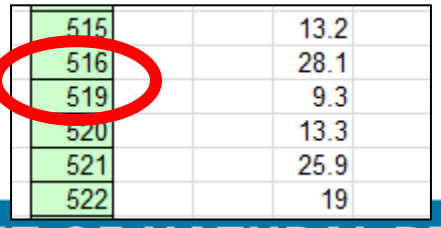
- Record rake fullness for the following species but do NOT include or count towards the total rake fullness
    - Aquatic moss, Freshwater sponge
    - Filamentous algae
    - *Riccia fluitans,* Slender riccia
    - *Ricciocarpus natans,* Purple-fringed riccia

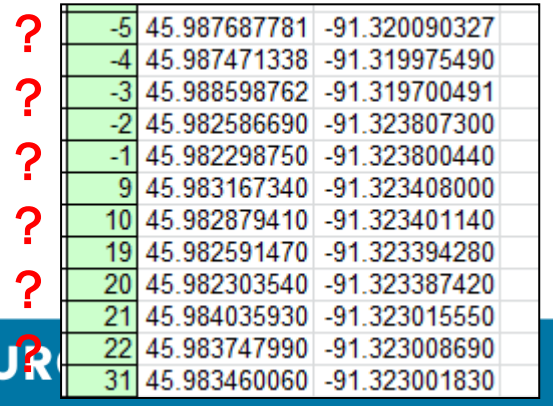
Missing, duplicated, or extra points

- Common errors: recording data twice for the same point, forgetting to sample a point, adding points without explanation
  - If you're conducting a partial-lake survey, please make sure to note that in the comments

- Seriousness level: Incomplete or heavily qualified survey data may be added to the database. But if errors are too serious/ numerous, survey will not be added at all.







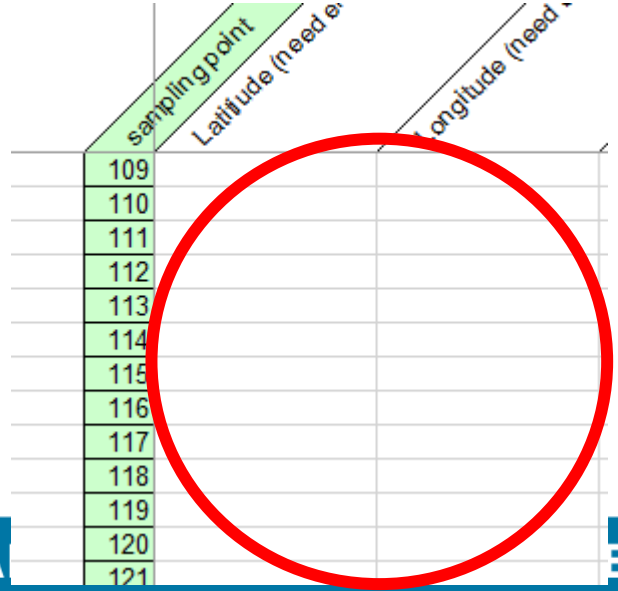
Missing, duplicated, or extra points

- Common errors: recording data twice for the same point, forgetting to sample a point, adding points without explanation
  - If you're conducting a partial-lake survey, please make sure to note that in the comments
- Comments/Sampling Point Impediment:

  - Deep
  - Dock
  - No Information
  - Non-Navigable (Dam)
  - Non-Navigable (Plants)
  - Non-Navigable (Rocks)
  - Non-Navigable (Swim Area)
  - Non-Navigable
  - Other
  - Shallow
  - Temporary Obstacle
  - Terrestrial

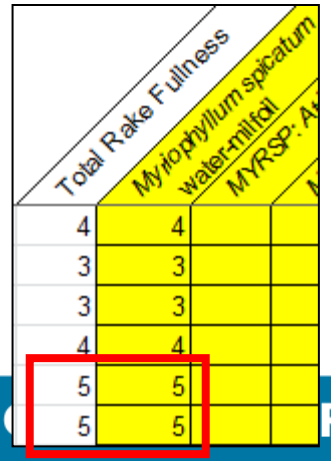
Missing latitude and longitude

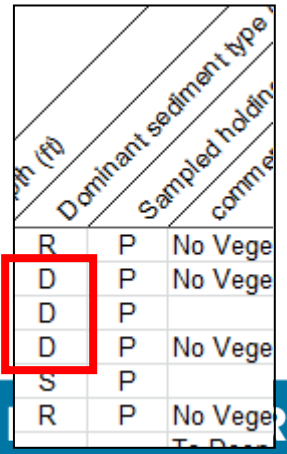
- Common errors: not entering the lat/long
- Seriousness level: If missing entry data or the file name does not match the entry data the lat/long cant be used to identify the waterbody.

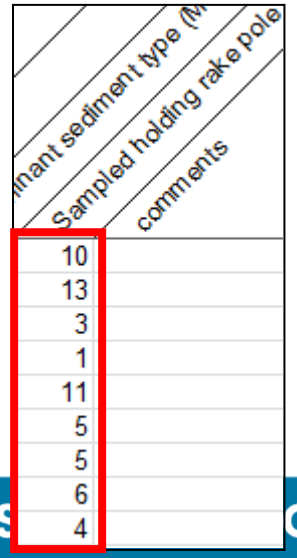


Non-standard entries for rake fullness, sediment type, or sample method

- Common errors: recording a value in one of these columns that does not follow protocol
- Seriousness level: Survey data may be entered into database, but these errors can prevent calculation of biomass and other water quality variables







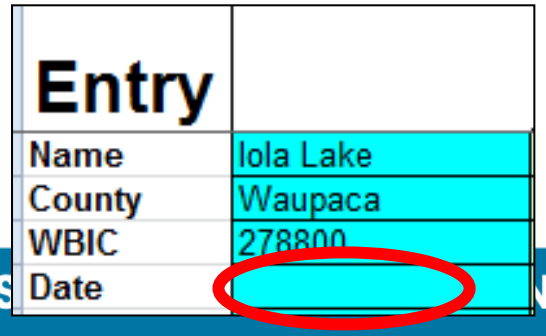
Inclusion of terrestrial species

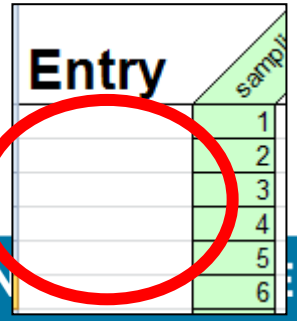
- Common error: recording a 1-3 rake fullness for a terrestrial species instead of Visual or V
- Seriousness level: Although survey data may be entered into database, these errors can generate misleading FQI and littoral FOO measures

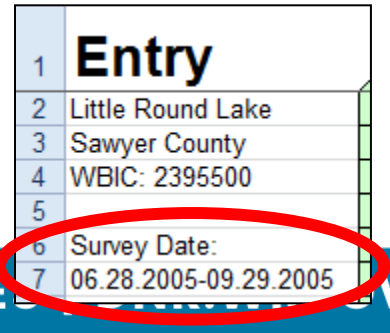
Incomplete Entry data

- Common errors: forgetting to include survey date or incorrectly recording date

- Seriousness level: Missing dates don't prevent survey data from going into database, but could prevent the use of data in future analyses (seasonal plant community differences, etc.).



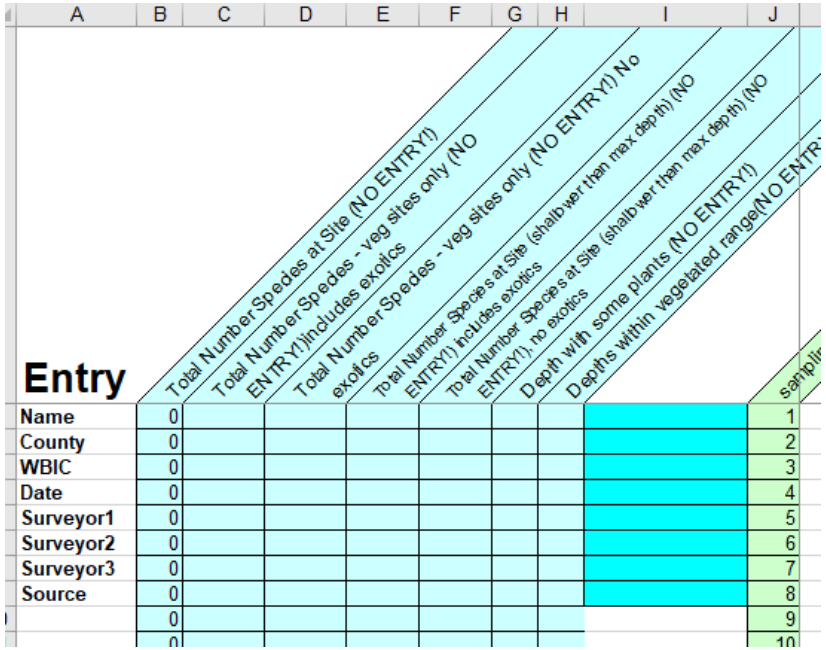




Entry data

- Don’t add the word “lake” or “county”
- Each surveyor gets their own line
- Add source

	A	I
1	**Entry**	
2	Name	Wingra
3	County	Dane
4	WBIC	805000
5	Start Date	08/20/2019
6	End Date	08/21/2019
7	Surveyor1	Michaela Kromrey
8	Surveyor2	Sarah Fanning
9	Surveyor3	Sue Grahm
10	Surveyor4	Shelby Adler
11	Surveyor5	Ally Sogge
12	Surveyor6	Julie Benzschawel
13	Source	DNR CO & DNR SER

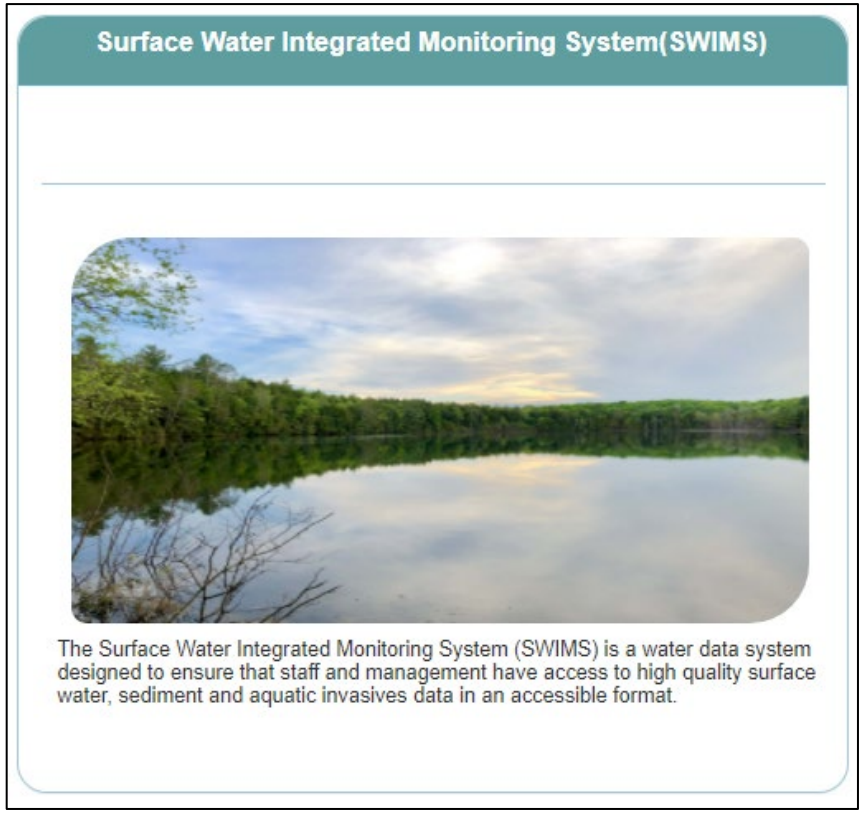


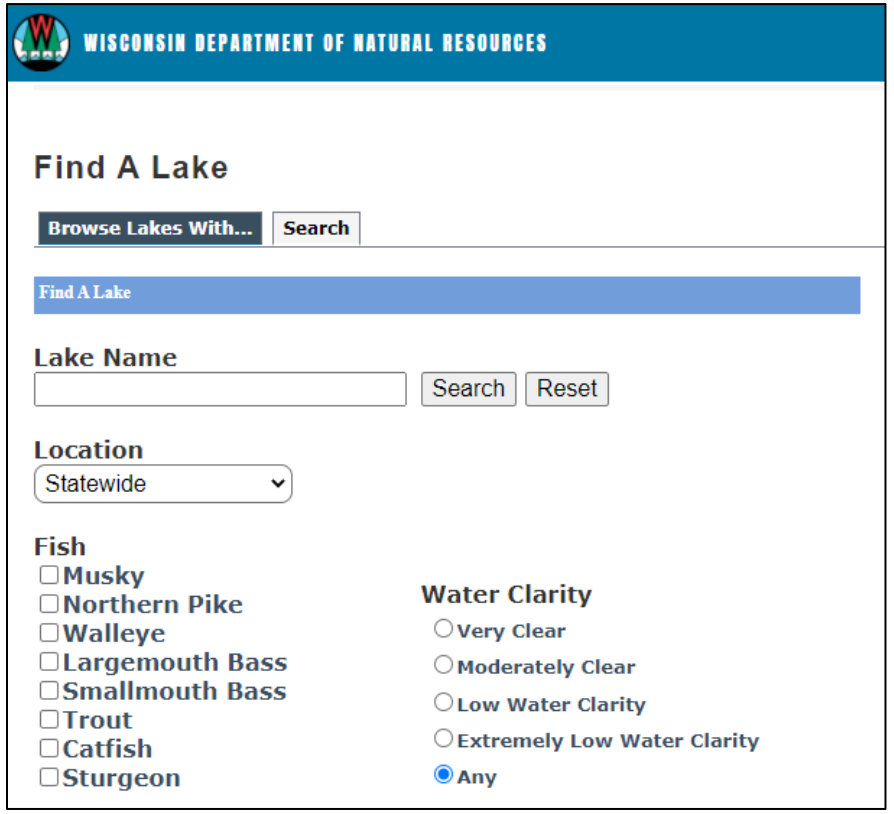
Questions?

SWIMS Redesign

Jake Dickman

SWIMS, APM, & DNR Webpages

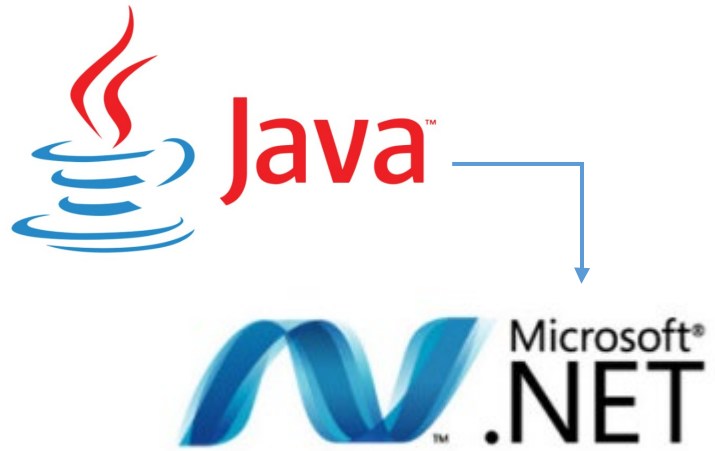




Jake Dickmann - SWIMS Data Manager
APM Industry Meeting - Jan 27, 2022

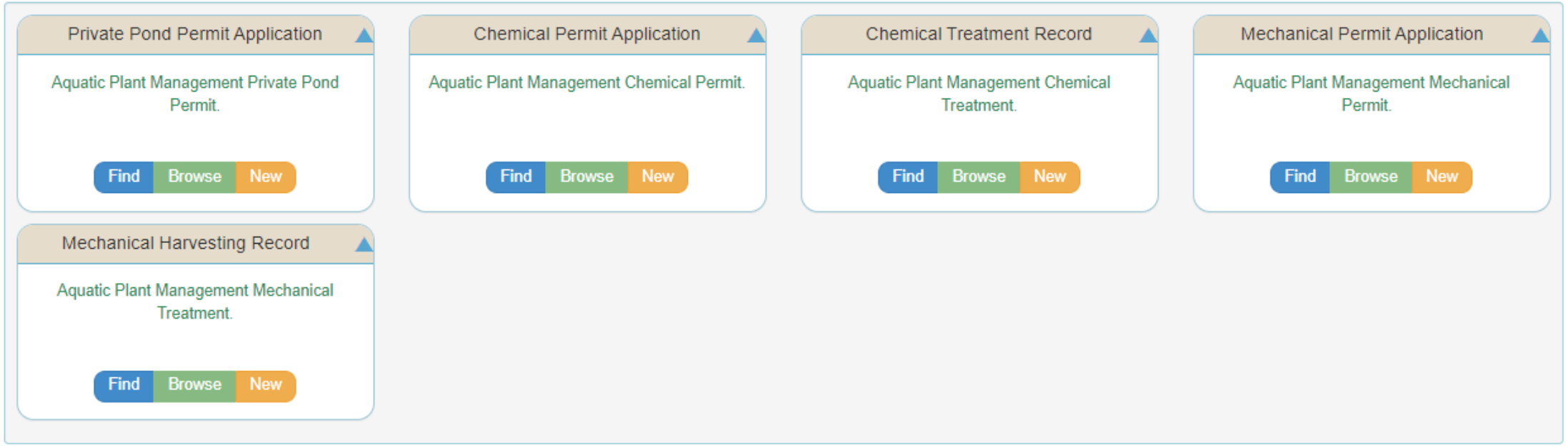
SWIMS

- SWIMS: Surface Water Integrated Monitoring System
- Wisconsin's database for surface water monitoring data (lakes, streams, rivers, wetlands, sediments)
    - Field data (temperature, DO, pH, secchi, etc.)
    - Lab Data (TP, TN, NO3, herbicides, etc.)
    - Taxonomy
    - Questionnaires
    - Surface Water Grants
- Sends data EPAs Water Quality Data Portal
- Currently undergoing a user interface redesign

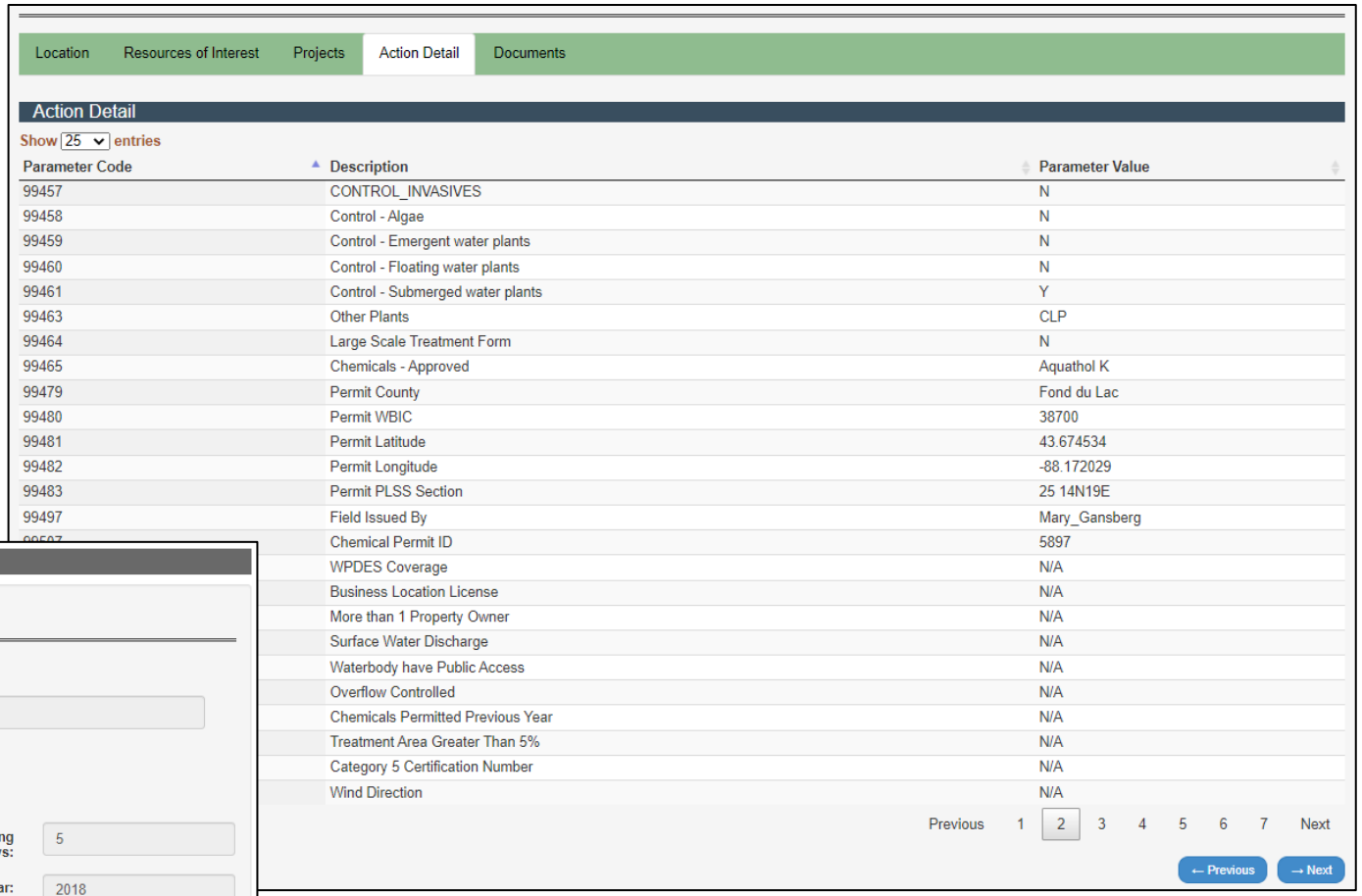


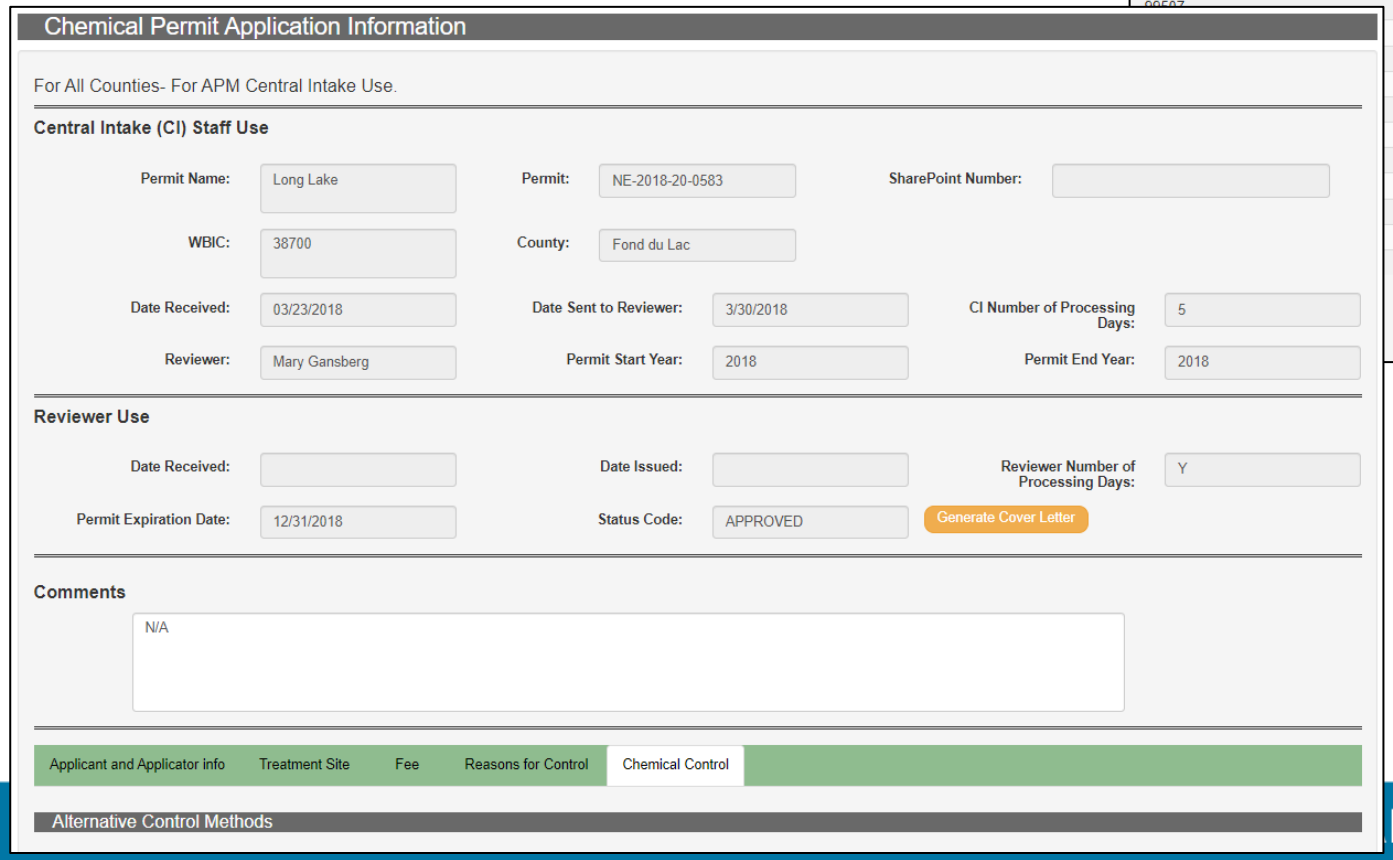
SWIMS & APM Data

- Permit applications automatically connect to SWIMS
- Treatments and treatment record data are automatically connected or entered into SWIMS



SWIMS & APM Data contd.

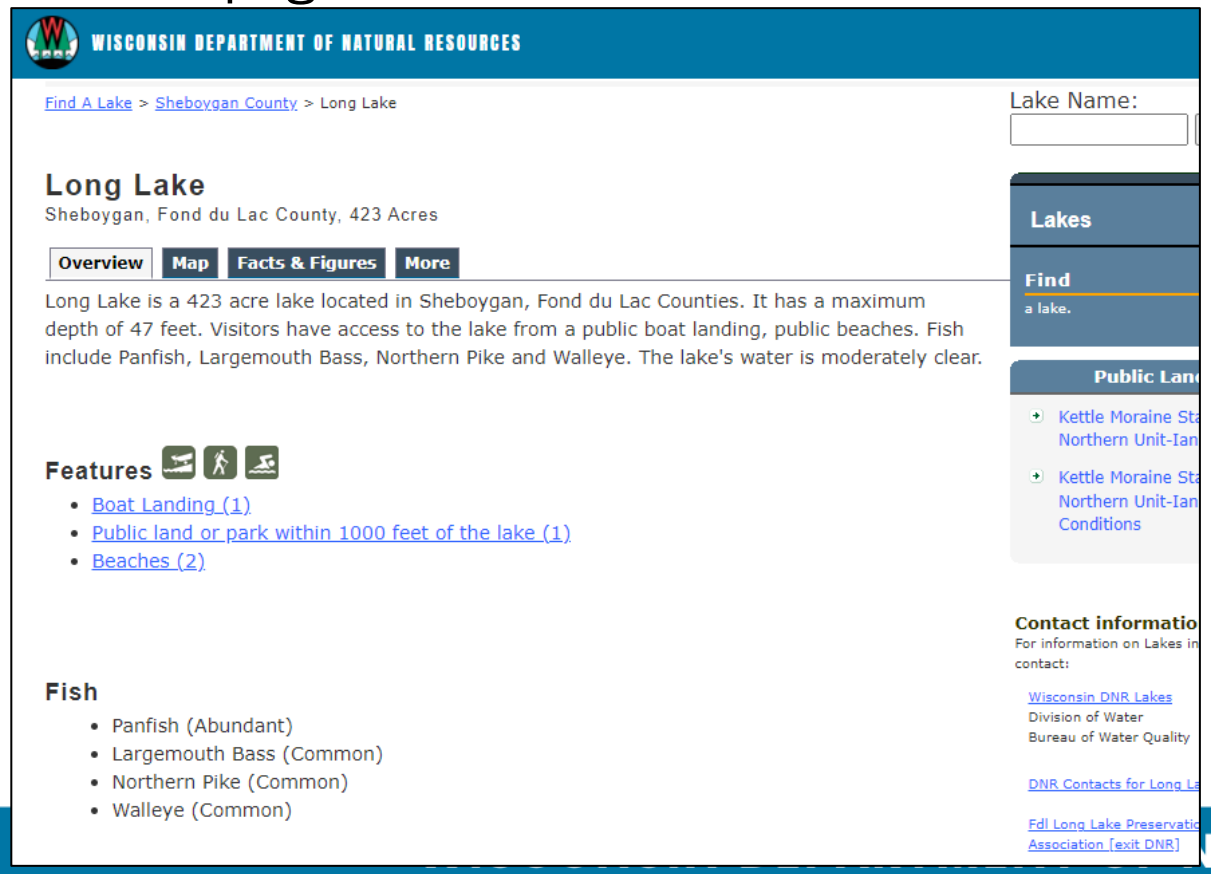


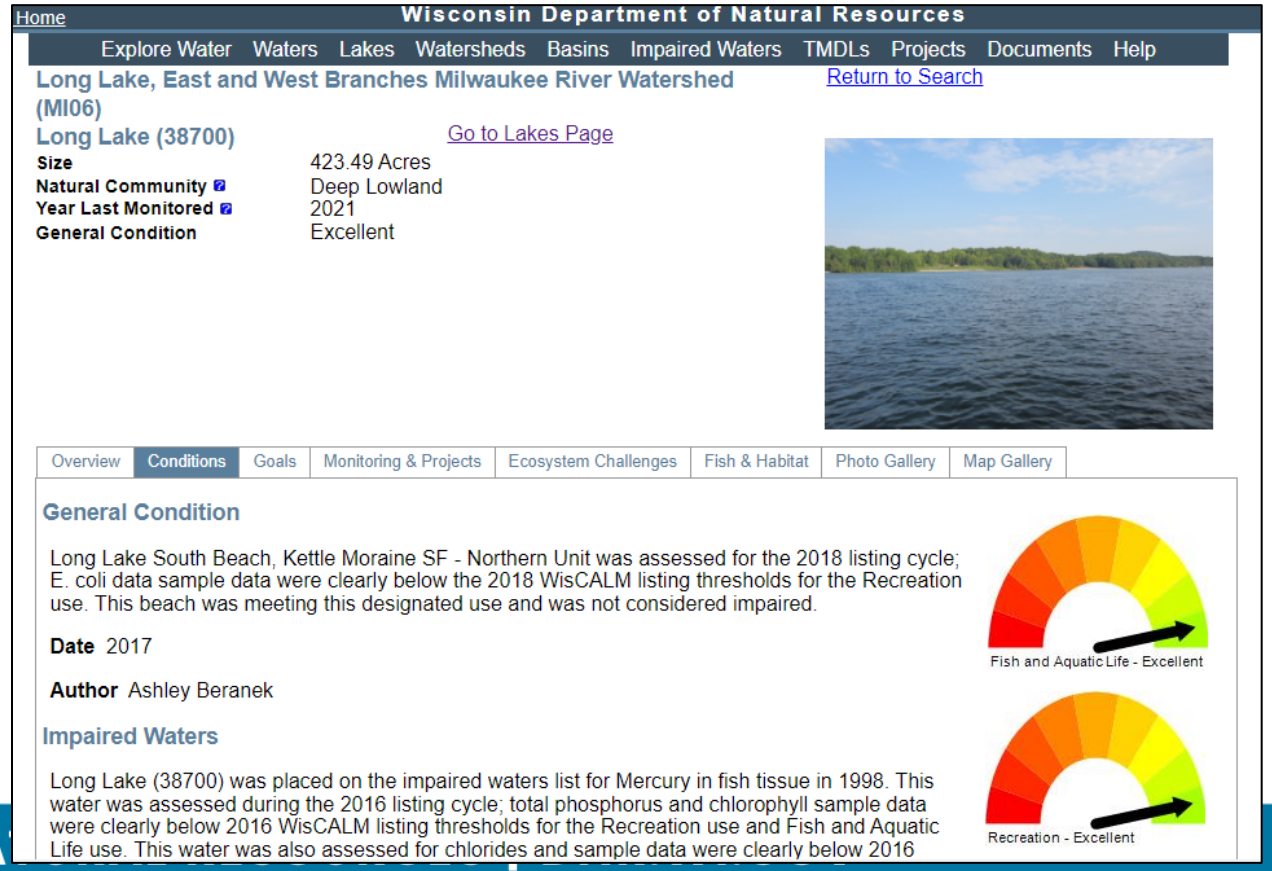


- Data from permits and treatments are stored in several ways in SWIMS
- Allows for easy display on our webpages

Webpage Redesign

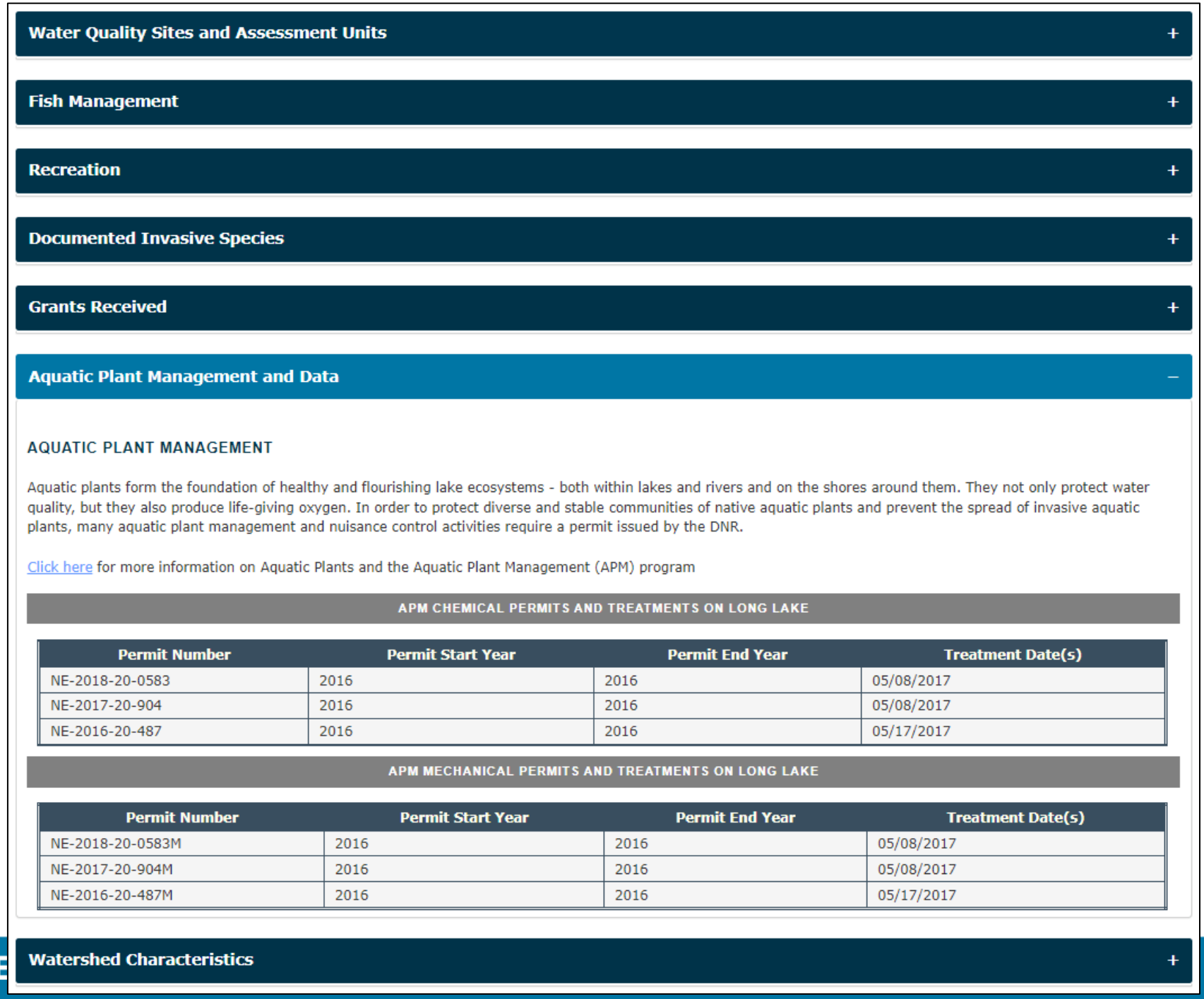
- Redesign of the DNR Lakes and DNR Water Search pages
- Goal: Create more of a one-stop-shop for users and to create similar lake and river pages





Webpage Redesign contd.

- More comprehensive pages
- Will contain additional information
  - Approved APM Permits
  - APM treatments
  - Assessments and Impairments
  - Watershed Characteristics and Modeling Data



Redesign page layout not final. Not an entire image of the redesign page

Questions?

Email: Jacob.Dickmann@wisconsin.gov

Phone: 608.354.7003

Mobile/Web-based Treatment Records

- We are scoping a project with IT
- We would like to move TR reporting to a mobile/web-based app.

- In the second session Emily will go through details
- Take some time between now and then to think about what this could look like
  - What would your preferences be for an easy to use application?

APM Rule Updates

Madi

What Prompted the Rule Change?

- Rule Development – “Clean Up and Clarify Expectations”
- Key Changes
  - Fee Structure
  - Integrated Pest Management Model
  - Posting and Public Notice
  - Monitoring for large scale control
  - Pond updates
  - Additional waivers
- Streamlined, Integrated Management
  - IPM, Integrated plans and permits, BMP’s

Administrative Rule Revisions

- Up to a 30-month process
- 6 phases – with approximately 11 major steps
- We are in Phase 4 – Public Hearings

- If you want to learn more:
  - Google Search: WI DNR proposed rules
  - All DNR Rules Webpage: https://dnr.wisconsin.gov/news/input/ProposedPermanent.html
  - APM Program Webpage: https://dnr.wisconsin.gov/topic/lakes/plants/rules

Information about what's in the draft

Go to APM Rules web page

White papers, public meeting recordings, public comments summaries, Economic Impact Analysis, Draft Rule, Summary of Key Rule Changes.

https://dnr.wisconsin.gov/topic/lakes/plants/rules

Keep in Mind…

All proposals in this rule draft are just that, proposals

Nothing is set in stone

We want your input on what needs more thought in this rule and why

What's Next?

- Draft rule is open for public comment
  - Now to March 1st.
- Public Hearing:
  - February 22nd, at 1 PM.
  - You may provide written comments or register to speak at the hearing.
- Then, DNR will consider all of your comments during final edits

How Can You Get Involved?

- Go to Program's Webpage for Helpful Background Information:
  - Google Search: WDNR apm rules
  - Program Webpage: https://dnr.wisconsin.gov/topic/lakes/plants/rules
  - DNR Rules Webpage: https://dnr.wisconsin.gov/news/input/ProposedPermanent.html

- Attend public hearing on February 22nd.
- Provide written comments to Madi Johansen between now and March 1st.

Helpful and Effective Input

- We want clear, direct comments from you.
- Helpful Comments:
  - Are relevant
  - Are specific to a section of the draft rule (reference where possible)
  - Provide real-world examples of how a policy may or may not affect you.
  - If comment is in opposition, the comment provides an alternative suggestion for consideration.
  - If comment is in support, the comment states why and how the policy is good.
- Saying, “I don’t like X…” will only get you so far ;)

How will we use your comments?

- We will consider all of the comments received between now and March 1st.
- We will weigh the benefits of different proposals based on public input and DNR constraints
- We will make final edits to the draft board order, showing what changes were made based on public input.
- We will send that version to the Natural Resources Board, Governor and Legislature for approval.

Questions?

Break for Lunch

Gather back at 12:30

Session 3

ePermitting Updates 2022

Emily Hjalmarson

Reminders for 2022

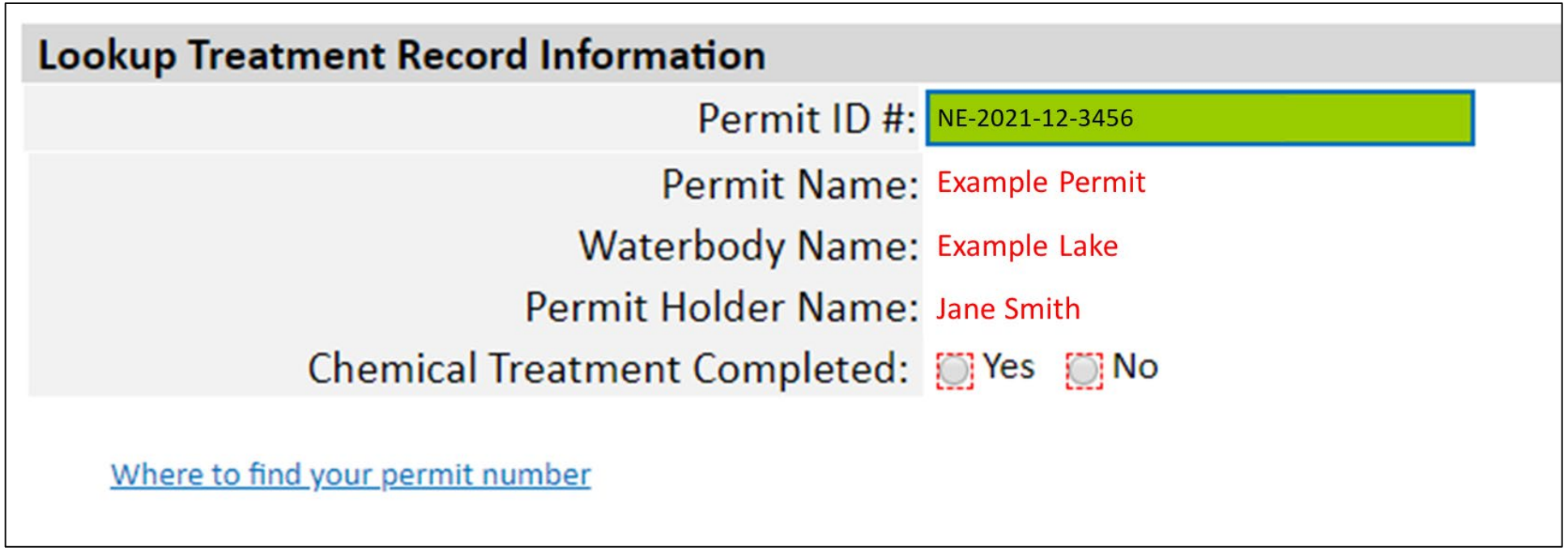
- Permit applications must be submitted using the ePermitting system.
  - Help document at the bottom of our APM webpage.
  - https://dnr.wi.gov/lakes/plants/forms/

Application Forms and Resources

- Apply for an Aquatic Plant Management Permit Online
- Worksheet for Large-Scale Chemical Aquatic Plant Treatment 3200-004a [PDF]
- Aquatic Plant Management Herbicide Treatment Record 3200-111 [PDF]
- APM Permit Site Map Examples [PDF]
- APM ePermitting Guidebook [PDF]

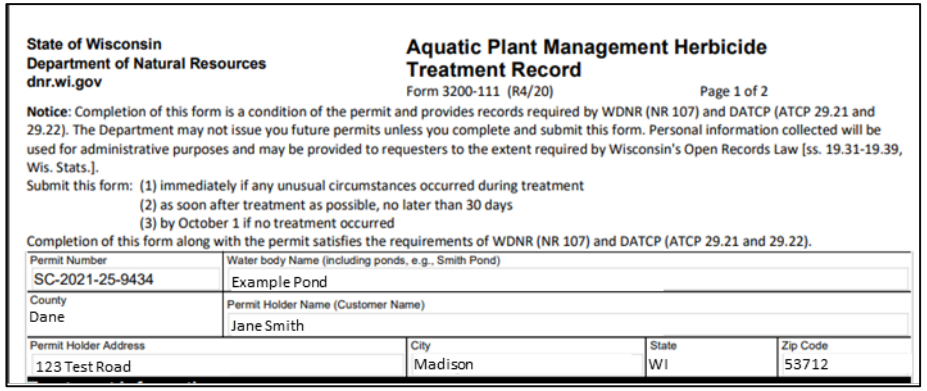
Reminders for 2022

- ePermitting system is the preferred way to submit treatment records.
  - Can validate permit number



Reminders for 2022

- ePermitting system is the preferred way to submit treatment records.
  - Autofills some permit information



State of Wisconsin
Department of Natural Resources
dnr.wi.gov

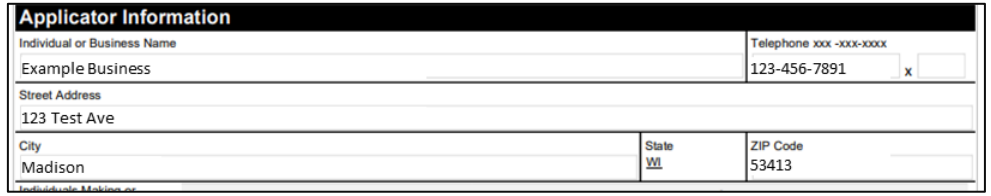
Aquatic Plant Management Herbicide Treatment Record
Form 3200-111 (R4/20) Page 1 of 2

Notice: Completion of this form is a condition of the permit and provides records required by WDNR (NR 107) and DATCP (ATCP 29.21 and 29.22). The Department may not issue you future permits unless you complete and submit this form. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

Submit this form: (1) immediately if any unusual circumstances occurred during treatment
(2) as soon after treatment as possible, no later than 30 days
(3) by October 1 if no treatment occurred

Completion of this form along with the permit satisfies the requirements of WDNR (NR 107) and DATCP (ATCP 29.21 and 29.22).

Permit Number	Water body Name (including ponds, e.g., Smith Pond)		
SC-2021-25-9434	Example Pond		
County: Dane	Permit Holder Name (Customer Name): Jane Smith		
Permit Holder Address: 123 Test Road	City: Madison	State: WI	Zip Code: 53712

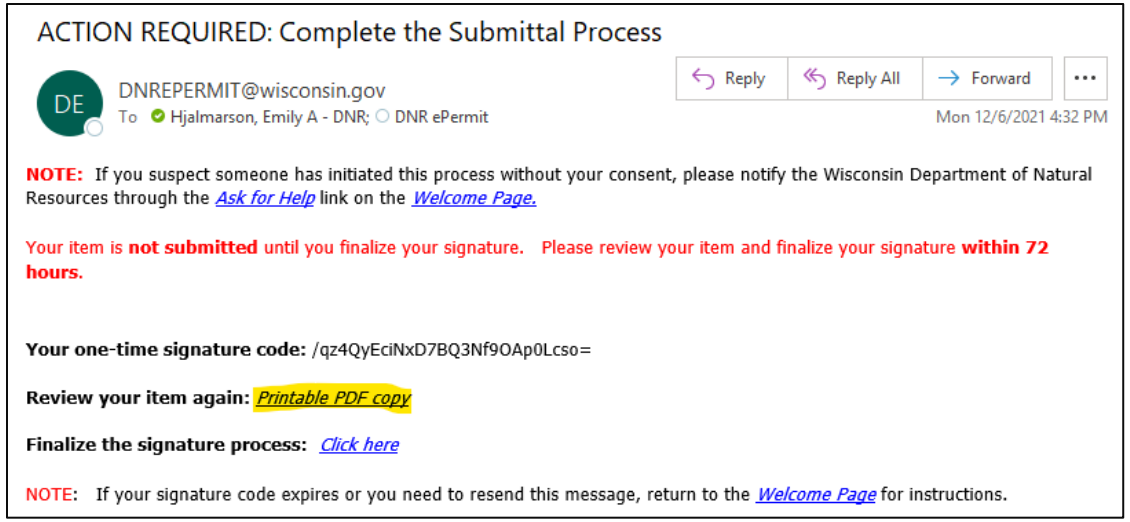


Applicator Information

Individual or Business Name		Telephone xxx -xxx-xxxx
Example Business		123-456-7891 x
Street Address: 123 Test Ave		
City: Madison	State: WI	ZIP Code: 53413

Reminders for 2022

- ePermitting system is the preferred way to submit treatment records.
  - Can download PDF to share with clients right away



ACTION REQUIRED: Complete the Submittal Process

DE

DNREPERMIT@wisconsin.gov

To Hjalmarson, Emily A - DNR; DNR ePermit

Reply | Reply All | Forward | ...

Mon 12/6/2021 4:32 PM

NOTE: If you suspect someone has initiated this process without your consent, please notify the Wisconsin Department of Natural Resources through the *Ask for Help* link on the *Welcome Page.*

Your item is **not submitted** until you finalize your signature. Please review your item and finalize your signature **within 72 hours.**

Your one-time signature code: /qz4QyEciNxD7BQ3Nf9OAp0Lcso=

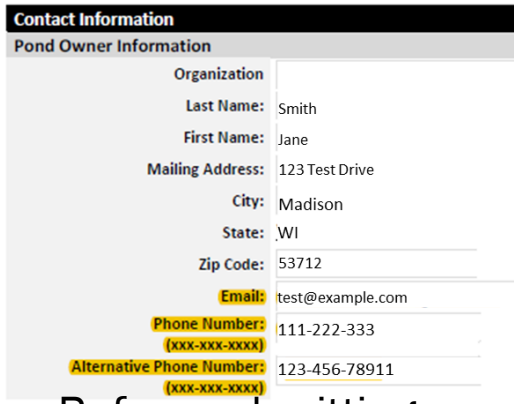
Review your item again: *Printable PDF copy*

Finalize the signature process: *Click here*

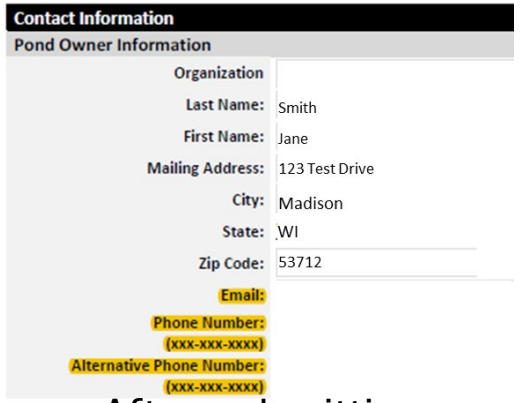
NOTE: If your signature code expires or you need to resend this message, return to the *Welcome Page* for instructions.

Reminders for 2022

- In applicant section, ensure correct contact information for permittee is provided (not your own)
  - Application is considered incomplete without correct phone number or email
  - Information is hidden from public view



Before submitting



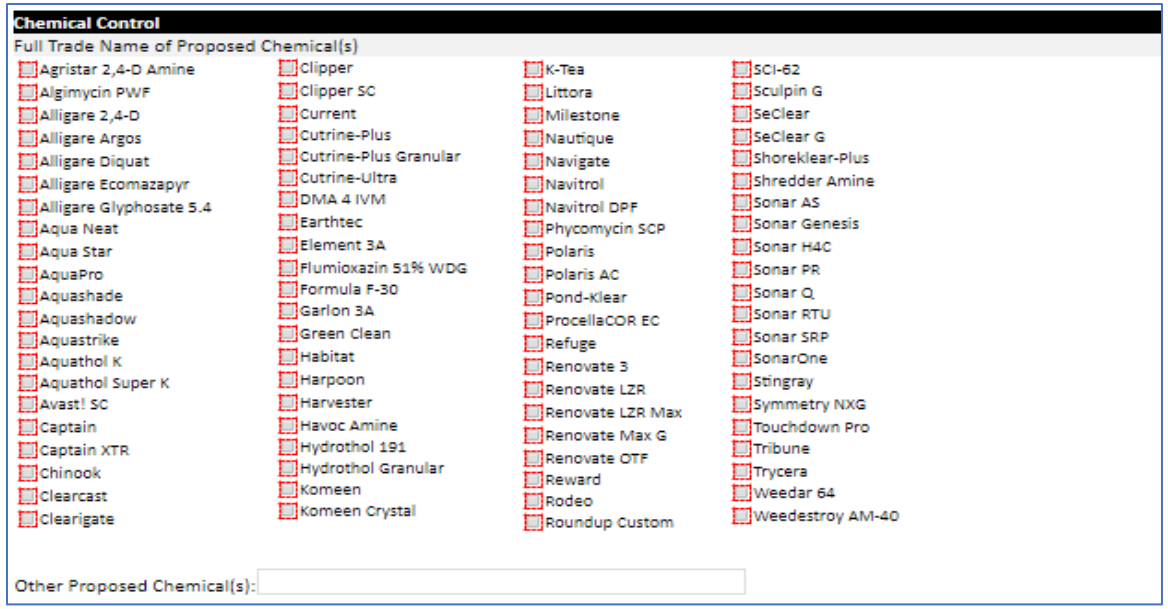
After submitting

Reminders for 2022

- Ensure both permit and cover letter are in possession.
  - https://permits.dnr.wi.gov/water/SitePages/Permit%20Search.aspx

Proposed Chemical Checkboxes

- Dropdown chemical choice menu converted to checkboxes on NR107 forms



Chemical Control

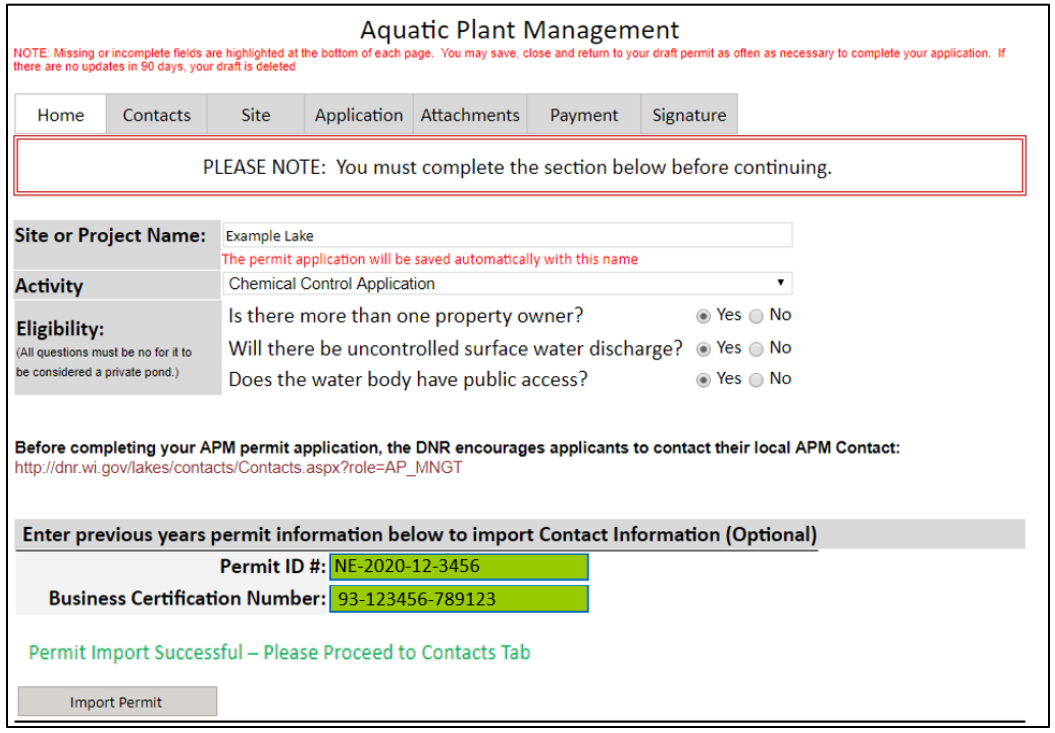
Full Trade Name of Proposed Chemical(s)

- Agristar 2,4-D Amine
- Algimycin PWF
- Alligare 2,4-D
- Alligare Argos
- Alligare Diquat
- Alligare Ecomazapyr
- Alligare Glyphosate 5.4
- Aqua Neat
- Aqua Star
- AquaPro
- Aquashade
- Aquashadow
- Aquastrike
- Aquathol K
- Aquathol Super K
- Avast! SC
- Captain
- Captain XTR
- Chinook
- Clearcast
- Clearigate
- Clipper
- Clipper SC
- Current
- Cutrine-Plus
- Cutrine-Plus Granular
- Cutrine-Ultra
- DMA 4 IVM
- Earthtec
- Element 3A
- Flumioxazin 51% WDG
- Formula F-30
- Garlon 3A
- Green Clean
- Habitat
- Harpoon
- Harvester
- Havoc Amine
- Hydrothol 191
- Hydrothol Granular
- Komeen
- Komeen Crystal
- K-Tea
- Littora
- Milestone
- Nautique
- Navigate
- Navitrol
- Navitrol DPF
- Phycomycin SCP
- Polaris
- Polaris AC
- Pond-Klear
- ProcellaCOR EC
- Refuge
- Renovate 3
- Renovate LZR
- Renovate LZR Max
- Renovate Max G
- Renovate OTF
- Reward
- Rodeo
- Roundup Custom
- SCI-62
- Sculpin G
- SeClear
- SeClear G
- Shoreklear-Plus
- Shredder Amine
- Sonar AS
- Sonar Genesis
- Sonar H4C
- Sonar PR
- Sonar Q
- Sonar RTU
- Sonar SRP
- SonarOne
- Stingray
- Symmetry NXG
- Touchdown Pro
- Tribune
- Trycera
- Weedar 64
- Weedestroy AM-40

Other Proposed Chemical(s):

Autopopulation from Previous Permits

- Works for NR109 permits now
- Previous year's permit # and Business Certification #
- Should turn green and give message when successful
- Feature is optional



Autopopulation from Previous Permits

- Do this as a first step
  - Using this feature after draft is saved has issues
- Both fields are case-sensitive
  - Good: NE-2020-12-3456
  - Bad: ne-2020-12-3456 (lower case letters)
- Data is only as good as what was entered
  - Check previous permit document to verify
  - Email if you find an issue

Autopopulation from Previous Permits – Expanded

- Private Ponds (3200-155)
  - Nuisance Caused By checkboxes
  - Target Plant checkboxes
  - Proposed Chemicals checkboxes
- <u>Please check for errors or out of date information</u>

Other Minor Updates

- Site/Treatment Area Name fields (optional)

Proposed Treatment Area

Area(s) Proposed for Control:

Site Name (Optional)	Treatment Length		Treatment Width		Estimated Acreage		Average Depth		Calculated Volume	
Site A	100	ft. x	500 ft.	÷ 43,560 ft^2 =	1.15	ac	5	ft =	5.74	ac-ft
Site B	300	ft. x	400 ft.	÷ 43,560 ft^2 =	2.75	ac	4	ft =	11.02	ac-ft
				Estimated Acreage Grand Total	3.90	ac		Calculated Volume Grand Total	16.76	ac-ft

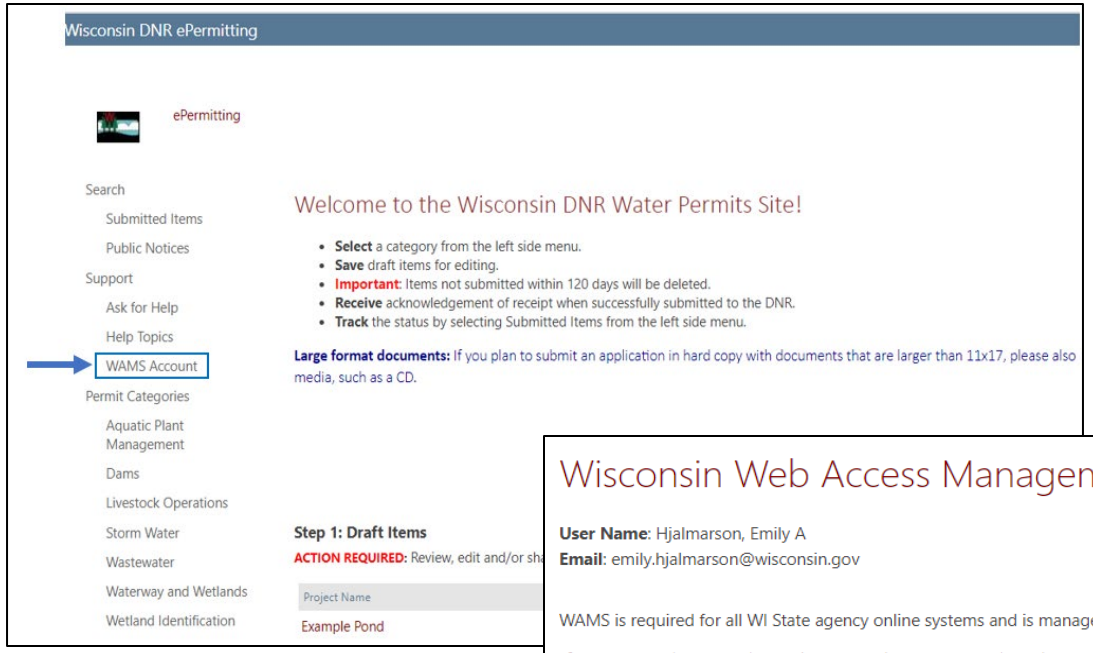
- Can insert more boxes to enter Target Plants on treatment records

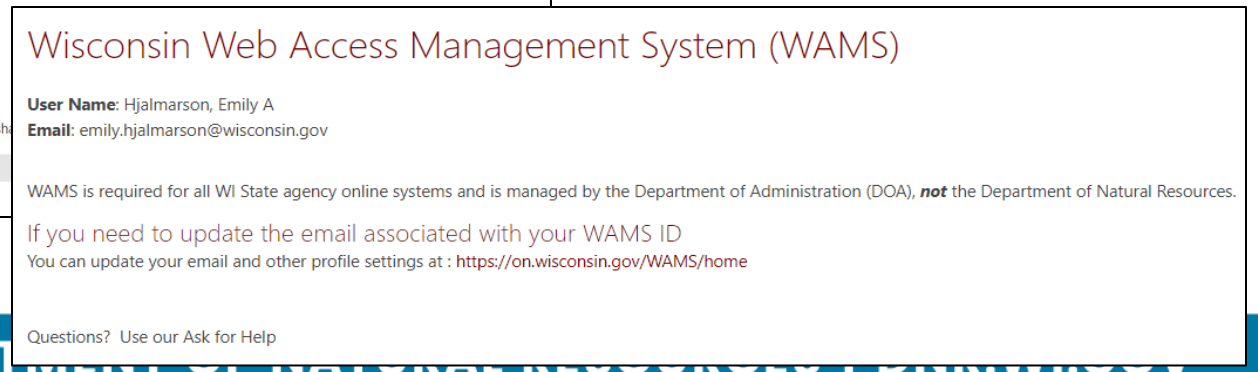
Future Updates

- Rule-related updates such as
  - Changes to existing forms
  - Creating new forms such as Wetland Permit Form, Wetland Reporting, Mechanical Reporting, etc.

Troubleshooting - WAMS Account Information

- Can verify your email address is correct. Also there is a link to update it





Issue Trackers

- For most problems, best to email DNRAPMProgram@Wisconsin.gov
  - Can potentially solve the problem without IT.
  - They know the “lingo” to best communicate the problem and can send issue trackers on your behalf.

Issue Trackers

- Detailed email including any #s
- Include screenshots
- Confirm you are using Chrome on computer
- Signature issues – confirm you checked Junk/Spam

Questions?

DNRAPMProgram@Wisconsin.gov

Treatment Record App
Planned Features

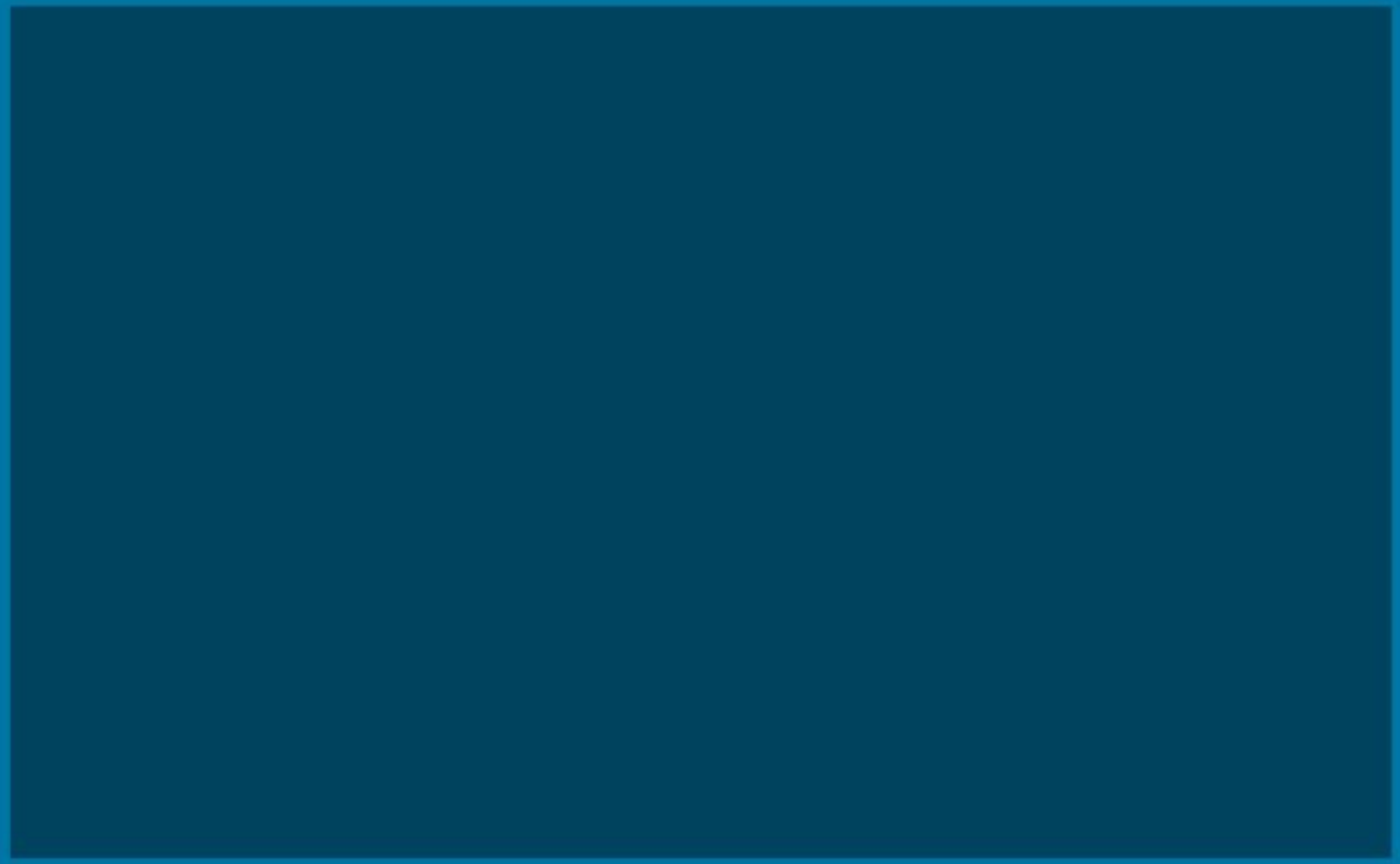
- Mobile friendly site to enter submit data – could be used in office or in the field
- Import some permit data
- Potentially use location services to show map of current location & record lat/long
- Produce an output (PDF) to be shared with customers
- Security to satisfy legal requirements

Treatment Record App Feedback

- Any other features you would like this to have?
- Any other issues you foresee occurring?

Break Until 1:45

CONNECT WITH US



/WIDNR

@WIDNR

@WI_DNR

/WIDNRTV

"WILD WISCONSIN:
OFF THE RECORD"