



**MEMO**

To: File  
From: Liz Victor, DNR  
Date: February 26-27, 2018  
Site Name/BRRTS: Kewaunee Marsh Arsenic Spill (02-31-000508)  
Re: **Field Activities Report for February 26 & 27, 2018**

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**Who:** Liz Victor, NER RR Hydrogeologist  
Dave Neste, RR Hydrogeologist  
Aaron Wright, NER Wildlife Technician

**Purpose of Field Visit:** Mow paths to all monitor wells inside the fence, and outside as time and safety allows to assist in future field work. Walked mowed paths, measured ponds, and looked at sloughs.

**Equipment:**

Camera Used: DNR's Canon Powershot SX 210 IS, by Liz Victor  
Mower to be provided by NER Wildlife

**Scope of Work for Field Visit:** No formal Scope of work was prepared.

**Work Performed:** Dave Neste and Liz helped Aaron located wells for mowing paths on the 26<sup>th</sup>. On the 27<sup>th</sup>, Liz walked mowed paths and took some rough estimates of pond dimensions. Also looked at sloughs.

**Comments:**

- Photos were taken but are not provided in this report.

**Attachments:**

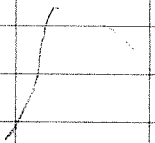
- Field
- Field Notes, 1/24/17

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Rainy early some  
temps not above  
50's - mild snow  
- Today - Low 70's  
Sunny - It has  
been a warm fall.  
Trees are still green.

Saw leopard frog

11:00 AM - out of marsh  
Locked gate



WINTER MOWING

FEB 26, 2018

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Dave Neste; Liz Vider - RR  
Aaron Wright - Wildlife

~ 10:00 am - Liz & Dave arrive at  
site. Walk to well locations,  
place 2 PVC poles near  
transect line points.

All wells look like the  
PVC markers are intact  
(looked for the PVC markers  
from several points).

- Marked East gate w/ flagging  
& styrofoam from inside fence  
So Aaron can see to mow to  
fence gate.

11:30 - Aaron still not here -  
Lunch & wait.

Plan is to mow 4-5 transects  
across site to aid in soil  
sampling. Mow paths to wells

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to aid in gw sampling  
as we did last year.

1:30 pm - Aaron Arrives - discuss  
scope - Aaron starts  
Mowing, Liz/Dave  
move mowing point  
markers behind him.

2:45 pm. Leave site.

Aaron parked mower  
inside fence to finish  
job tomorrow. The  
mower keeps getting  
fouled by cattails.

Plan is to bring air  
compressor to site tomorrow.

5:00 pm - arrive at office

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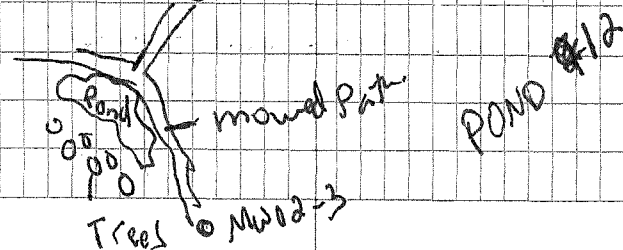
2/27/18 Continue Mowing

8:45: Liz arrives at  
parking area - Aaron has  
just gotten here - is unhitching  
truck from trailer.

- Looked at "ponded water" W  
of MW04-9, between the RR  
spur, → there is an area of  
standing water that is deeper  
- ~~more~~ > 1' at least. Shrubs (a few)  
are growing in the water as  
well as cattails etc. This is  
not a dug pond.

3-4 deer run ahead of Mower.

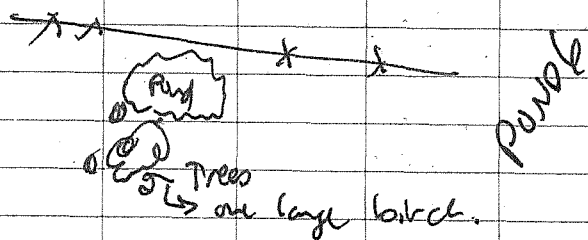
- Pond N-NE of MW02-3  
between MW02-3 & ~~GW07~~ GW-07,  
GW07



This pond has a lot of cattails. Looks like it is maybe 1' deep. Photos - cattails are posted down

GW-07 = 1.5" well.

Pond NE of GW-07 is ~ 30x30' or 25x25"



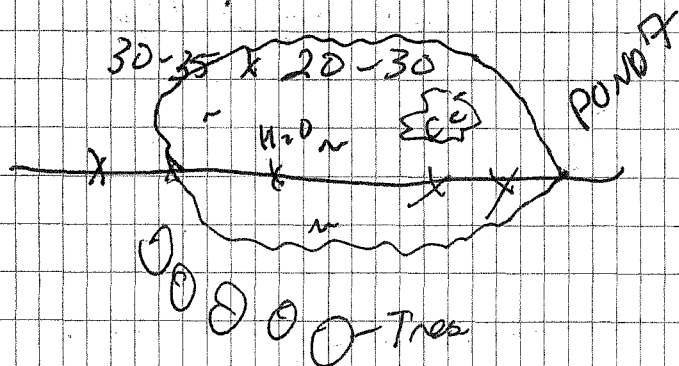
water is 1-2" deep estimated. cattails are less thick than previous pond.  
photos -

Large birch - bent branches

Pond N of MW02-2

This is a larger deeper pond with much of it devoid of cattails.

Pond spans fence



GW-06 = 1.5"

Pond N. of MW02-2:

Aaron mowed a path right through the pond.

on burrow at tree is an iron marker

with remnant flagging.

in the grass on the eastern side of the

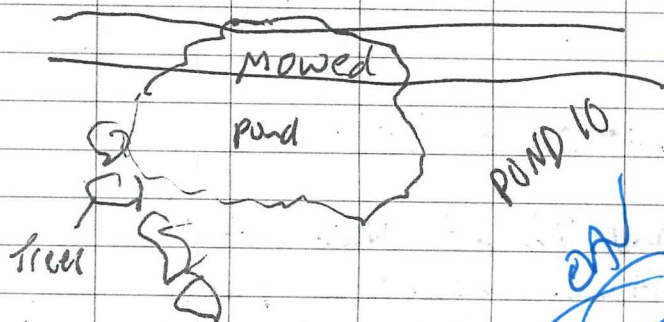
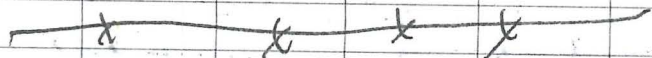
burrow pile

spill.

Solving Mal? <sup>half?</sup>

POND 10

pond is  
 25-30 & 30-40?  
 - cattails are  
 less thick than  
 1st pond water  
 1-2 ft? maybe deeper.



The Ponds to the N/NE  
 are hard to differentiate  
 from the cattails  
 around it because the  
 cattails around it  
 also have 2-6" of ice.

The pond locations seem to  
 have thicker ice and less  
 cattails - or the cattails  
 are unevenly distributed.

MW02-3 is very wet standing  
 water. It looks lower than  
 on the other side of the  
 berm to the North.

The berm is not so  
 pronounced here - compared  
 to at the E end of the  
 cap, near MW02-4.

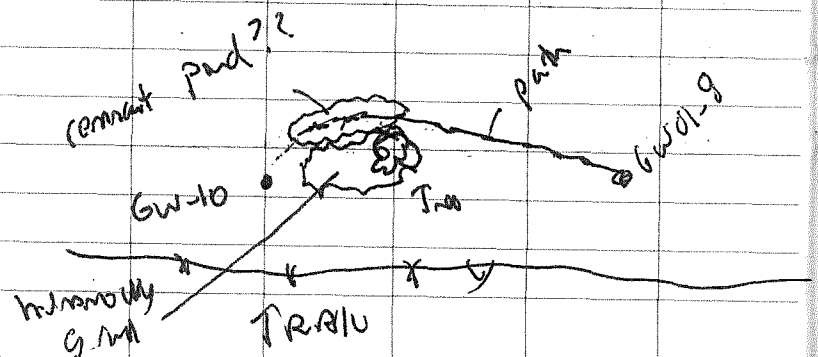
The berm on the S. side  
 of the cap (S. of MW02-3)  
 is much more pronounced  
 it looks 4' wide by 2'  
 high.

GW-10 1.5" diameter well

## Remnant Pond?

Just N-NE of GW-10  
 there is a large  
 multi-~~tree~~ branched  
 birch tree and the  
 ground is hummocky.  
 Directly N. of the  
 birch tree is a  
 wet spot - the  
 cattails look fairly  
 thick  
 ~ 10x25' - ~~water~~

Can't tell if ice is  
 melted / re-froze snow  
 above the frozen ground  
 or if it represents  
 frozen surface H<sub>2</sub>O.



Evidence of deer sleeping  
 in grass suggest that it  
 dry during summer.  
 moved path goes through  
 "low area"

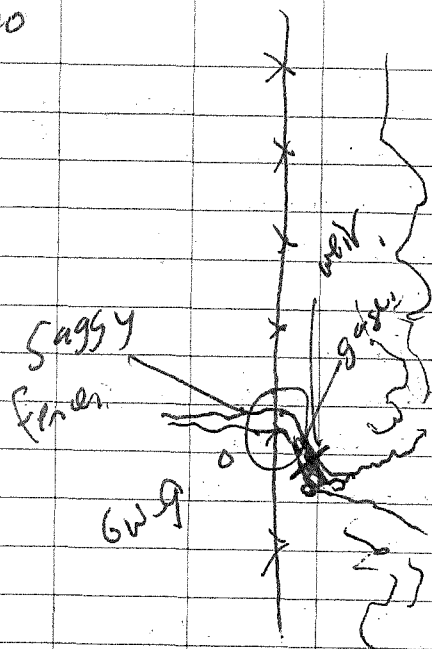
- There is also a lot  
 of standing water near  
~~map~~ - GW-10 as well,  
 photo showing GW-10,  
 birch tree.

GW-11 2" dia. (GW-11)

GW-9 is on the S. side  
 of the slough - the  
 map shows it as being  
 N of the V notch seen  
 on the aerials.

GW-9 is 1.5"

- It looks like  
 the V-notch is  
 where it is shown  
 on the map.



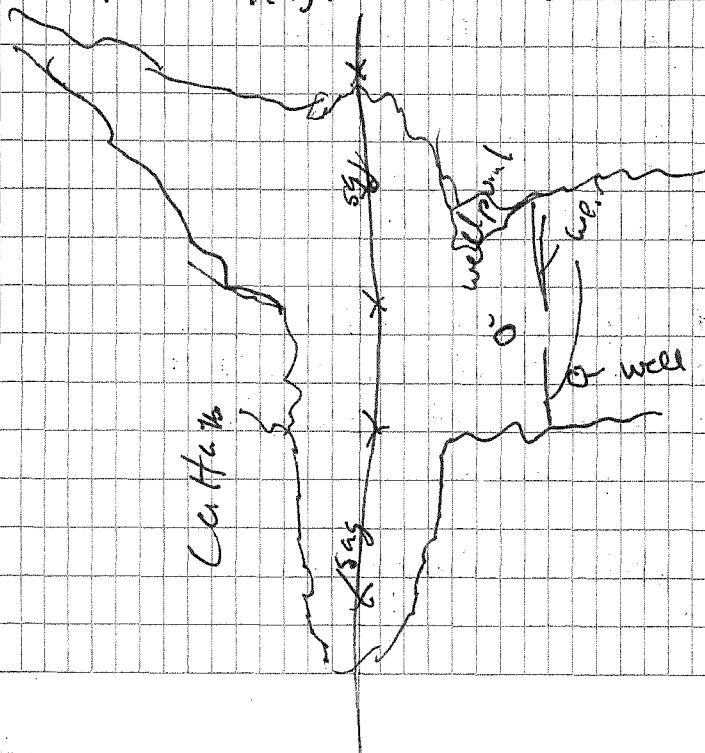
STS-MP-2 = 2<sup>11</sup>

Paran has to stop every now & then to let the mower cool & also to use air compressor to clean out motor & air filters. He goes back & forth over the same track & get the cat tails flat.

Looks like he banged into mwd-4 - stuck up is dented & tilted.

The N. Slough is a lot wider at the fence than the S. Slough.

The weir is ~~at~~ // to fence - sagged fence is a lot longer - About 5 fence lengths worth.



The fence has sunk to  
chest high in the  
center of the wet.

Slough extends  $\pm 70'$  NW  
of fence - ice -

There is a lot of  
ice between fence  
& mowed path  
& on mowed  
paths east of cyp.

Sts mp-1	2"
GW - 08 -	$1\frac{1}{2}$ "
GW 01 - 5	3"

Phot down central trail  
to E. toward mws-4  
- pond wet stressed  
veg area.

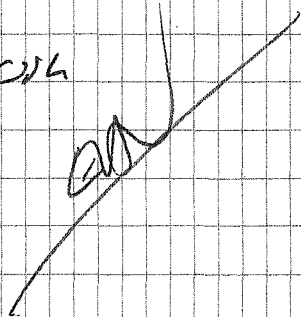
photos of stressed area.

1:05 - Area is done mowing!  
- clearing of f mow.

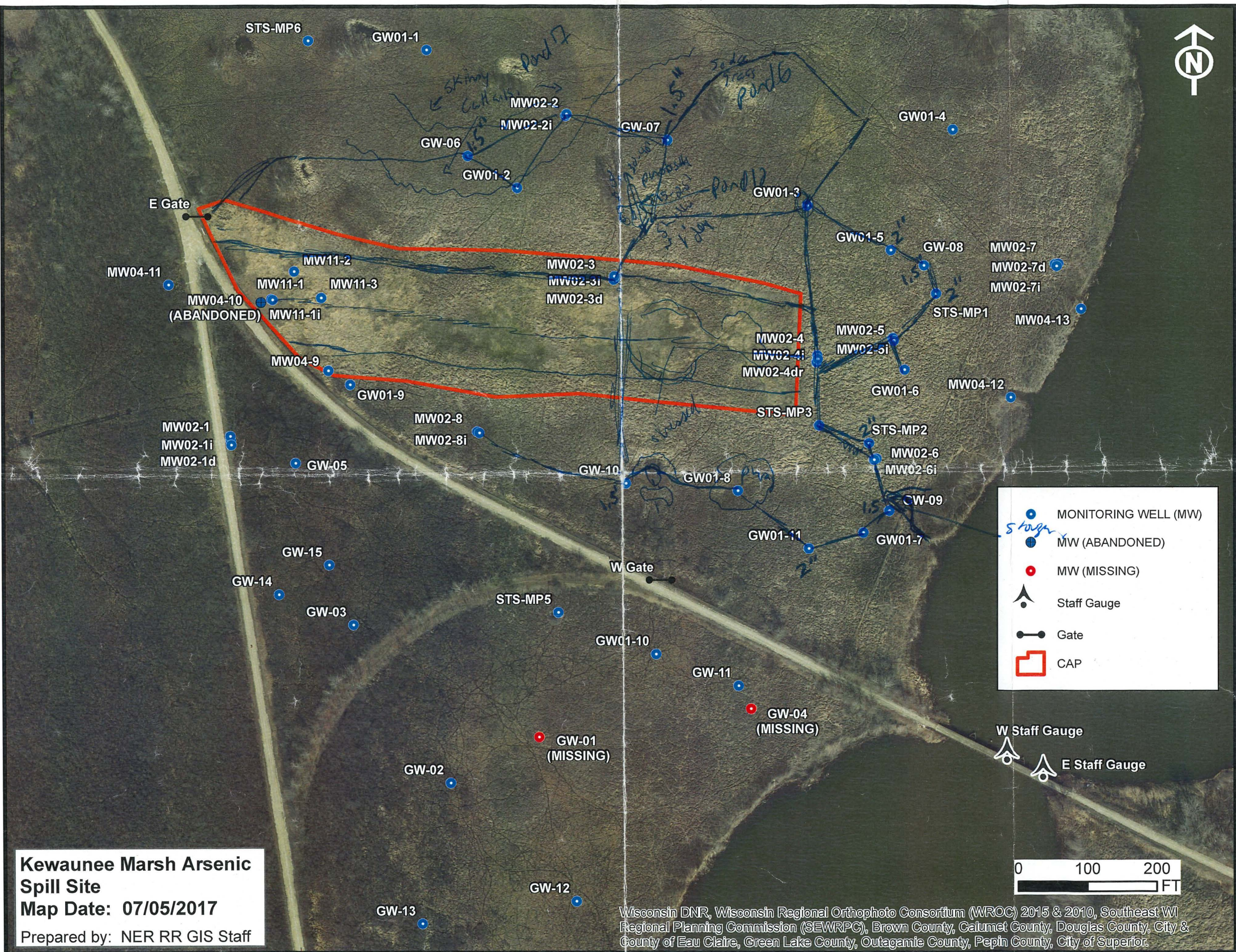
1:30 - Tow out mow

2:00pm - Lv. site

3:40pm - Arr. in CVL







**Kewaunee Marsh Arsenic Spill Site**  
**Map Date: 07/05/2017**  
 Prepared by: NER RR GIS Staff

	MONITORING WELL (MW)
	MW (ABANDONED)
	MW (MISSING)
	Staff Gauge
	Gate
	CAP



Wisconsin DNR, Wisconsin Regional Orthophoto Consortium (WROC) 2015 & 2010, Southeast WI Regional Planning Commission (SEWRPC), Brown County, Calumet County, Douglas County, City & County of Eau Claire, Green Lake County, Outagamie County, Pepin County, City of Superior.