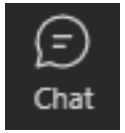
DEPARTMENT OF HEALTH

New Legislation:
Testing for Lead in Drinking Water in Child Cares Statute

Presenters

- Caroline Olstad, Lead in Drinking Water Specialist at MDH
- Liz Robertson, Research Scientist at MDH
- Anna Schliep, Lead in Drinking Water Coordinator at MDH

Webinar Reminders

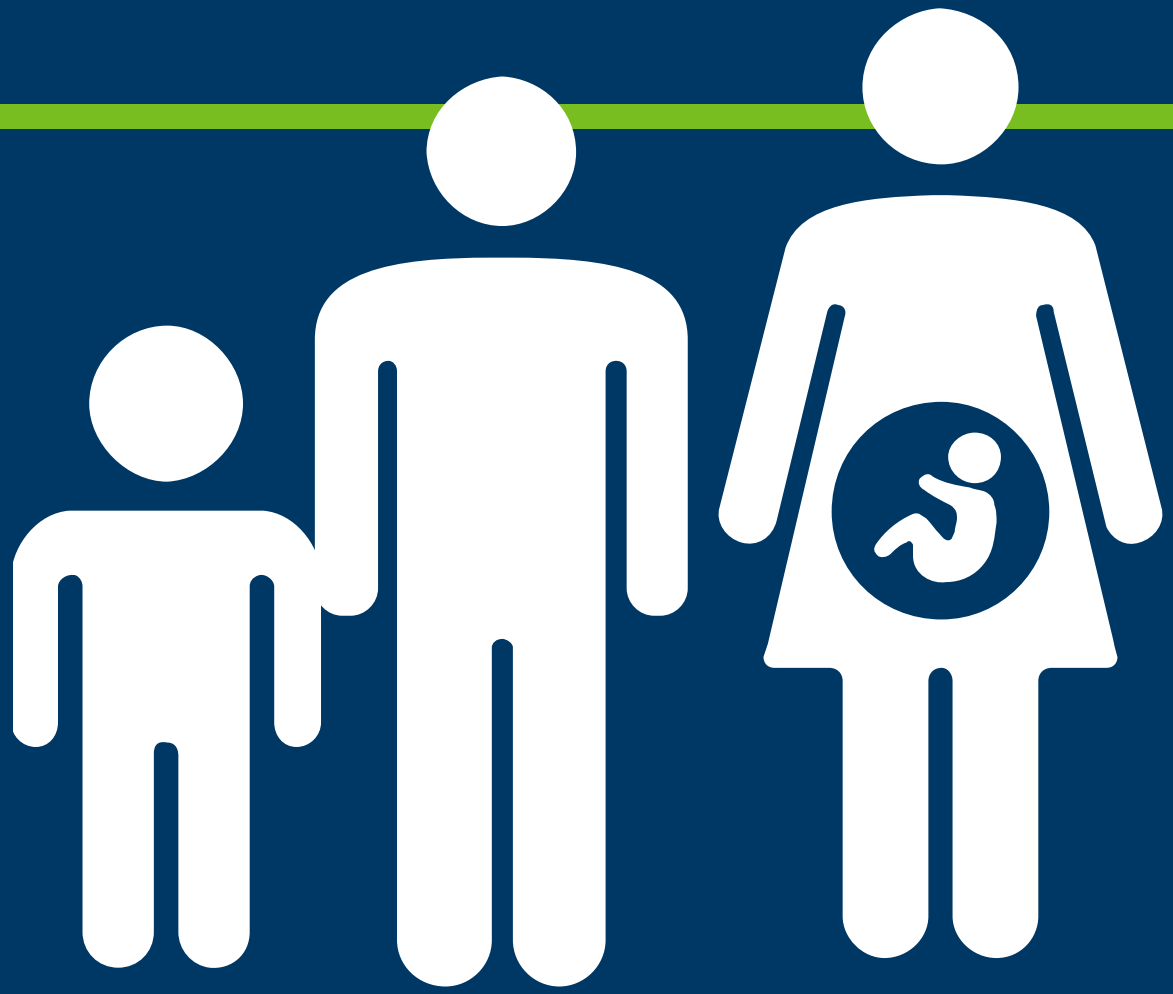
- This webinar is being recorded
- Microphones are muted
- If you have questions, use the Chat function 

- If technical issues occur, try to leave the webinar, then re-join. You may also contact the webinar organizers at 651-308-3754 for assistance.
- Poll feature
- Please complete the follow-up survey

Agenda

- Health effects of lead
- Current MDH resources for testing for lead in drinking water for child cares
- Choose Safe Places program
- Statute updates
- Consultation
- Questions

Health Effects of Lead



- Memory loss
- Lower IQ
- Behavior Problems
- Headaches
- Fatigue
- Muscle Pain
- Decreased Kidney Function
- High Blood Pressure
- Anemia
- Decreased Fertility
- Increased Risk of Miscarriage

Many individuals with elevated blood lead levels have no apparent signs or symptoms

Three things to remember about lead

1. Children are most at risk.
2. No level of lead is safe.
3. Lead impacts learning and behavior.

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Resource for Lead Testing: WIIN Program Overview

Goal

To promote a safe environment for children in the state of Minnesota by assisting schools and child care providers in investigating & reducing sources of lead in drinking water.

Water Infrastructure Improvements for the Nation (WIIN) grant can help facilities meet the state testing requirements for lead in drinking water.

What the Program Offers:

Provides FREE test kits to schools, child cares, and Head Starts.

Flexibility for participants to collect samples themselves or have our contractor set up a time to collect.

Lab analysis done by MDH Public Health Lab.

Technical assistance and review of results so schools understand all options when remediation is necessary.

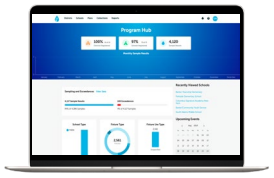
Training on best water management practices in buildings.

Getting Involved

- Website: https://www.health.state.mn.us/communities/environment/water/schools/mngrant.html
- Interested in testing your facility through the WIIN program? Application link: https://120water.formstack.com/forms/minnesota_lead_in_schools_testing_program_application

How the Program Works

Training Session → Facility Develops Sample Plan → State Ships Sample Kit → Facility Collects Samples → State Lab Analyzes Samples → Facility Notified of Results → Remediation Guidance Provided → Facility Shares Results with the Public → Done!



Choose Safe Places Minnesota

Site Screening Program

Minnesota Department of Health can assist in assessing property or well water for environmental contaminants at child care and early education sites.

We consider:

- Current and former uses of the property
- Businesses using harmful chemicals near the property
- The safety of the drinking water

STEP 1: SUBMIT

Participant submits a property survey. This information helps MDH staff to identify whether harmful chemicals may be present at a child care property.

STEP 2: REVIEW

MDH staff will review the responses, gather additional information about the site, and provide a results report to the participant.

STEP 3: GUIDANCE

MDH staff will provide guidance on follow up actions to take (if needed) to make sure the property is safe from environmental contamination.

“I wish someone would have told me ahead of time.”

- Owner of a child care center, expressing unhappiness about locating next to a dry cleaning business

Resources

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Choosing a Child Care Center Location

CHOOSE SAFE PLACES - AVOID HARMFUL ENVIRONMENTAL EXPOSURES

Follow these recommendations to help ensure your child care center is located in a safe place – so that children aren't exposed to chemicals left over from former uses of a site or contamination from nearby locations.

✓ Learn about the former property use

Contaminants may have been left behind due to some former property uses, such as:

- dry cleaners
- gas stations
- auto body shops
- manufacturing or industrial uses

Learning about former property uses helps identify when further investigation may be needed to rule out harmful environmental exposures. Search for information related to prior ownership of the property to find out whether any businesses could have used or disposed of hazardous contaminants. Find out whether environmental site assessments have been done for the property (such as a Phase 1 or Phase 2).

✓ Learn about nearby environmental contamination

Tenant spaces that share walls with other businesses using chemicals may have their indoor air quality affected. Dry cleaners and nail salons are common examples of commercial businesses that may affect adjacent spaces, particularly if they are located in a strip mall with shared HVAC systems.

In some places, chemicals used in the past have polluted soil and groundwater. Chemicals that evaporate can create chemical vapors underground. These vapors can move and come in contact with buildings and contaminate indoor air. This process – when pollution moves from air spaces in soil to indoor air – is called vapor intrusion. Nearby current and former property uses, and nearby known contaminated sites can provide clues of the potential for vapor intrusion to affect your location.

Helpful resources to learn about former property uses and nearby contamination

- Talk to the current property owner.
- Use online mapping tools to identify nearby property uses and search the Minnesota Pollution Control Agency's "What's in My Neighborhood" online tool. (https://www.pca.state.mn.us/data/whats-my-neighborhood)
- Request assistance to find documents from the city/local government agencies.
- Look around your location. Visible property and building attributes could suggest a former or current use that may warrant follow-up.
- Contact MDH for further assistance in screening your location.

SEARCH:

"Choose Safe Places" on MDH website

GOOGLE:

Choose Safe Places Minnesota

Thank You!

Liz Robertson – Program Coordinator

Choose Safe Places Minnesota

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For more information:
https://www.health.state.mn.us/communities/environment/hazardous/choosesafeplaces.html

New Statute: SF2995

Testing For Lead in Drinking Water Child Care Requirements

New Statute, per SF 2995 Section 62

Sec. 62. **[145.9273] TESTING FOR LEAD IN DRINKING WATER IN CHILD CARE SETTINGS.**

Subdivision 1. **Requirement to test.** (a) By July 1, 2024, licensed or certified child care providers must develop a plan to accurately and efficiently test for the presence of lead in drinking water in child care facilities following either the Department of Health's document "Reducing Lead in Drinking Water: A Technical Guidance for Minnesota's School and Child Care Facilities" or the Environmental Protection Agency's "3Ts: Training, Testing, Taking Action" guidance materials.

(b) For purposes of this section, "licensed or certified child care provider" means a child care center licensed under Minnesota Rules, chapter 9503, or a certified license-exempt child care center under chapter 245H.

Link to new statute:
https://www.revisor.mn.gov/laws/2023/0/70/laws.4.62.0

By July 1, 2024:

- Child care must have a plan to test.

- MDH has a guidance document that walks you through planning to test for lead. Reducing Lead in School Drinking Water (PDF),

1. Identify all the locations to test in your facilities.
2. How to test.

Subdivision 2.

> Subd. 2. **Scope and frequency of testing.** The plan under subdivision 1 must include testing every building serving children and all water fixtures used for consumption of water, including water used in food preparation. All taps must be tested at least once every five years. A licensed or certified child care provider must begin testing in buildings by July 1, 2024, and complete testing in all buildings that serve students within five years.

Where should water be tested?

Test every location where water from a tap is used for food preparation, formula preparation or drinking water. Such as kitchen and bathroom sinks.

DO NOT TEST- hose bibs, tubs, showerheads –these are not locations recommended for drinking.

Subdivision 3. Remediation

Plan to Remediate When:

Results are 5 ppb or more.

How to Remediate?

Take action to reduce lead levels and verify they are less than 5 ppb with a retest.

Subd. 3. **Remediation of lead in drinking water.** The plan under subdivision 1 must include steps to remediate if lead is present in drinking water. A licensed or certified child care provider that finds lead at concentrations at or exceeding five parts per billion at a specific location providing water to children within its facilities must take action to reduce lead exposure following guidance and verify the success of remediation by retesting the location for lead. Remediation actions are actions that reduce lead levels from the drinking water fixture as demonstrated by testing. This includes using certified filters, implementing and documenting a building-wide flushing program, and replacing or removing fixtures with elevated lead levels.

Subdivision 4: Reporting Results

Subd. 4. **Reporting results.** (a) A licensed or certified child care provider that tested its buildings for the presence of lead shall make the results of the testing and any remediation steps taken available to parents and staff and notify them of the availability of results. Reporting shall occur no later than 30 days from receipt of results and annually thereafter.

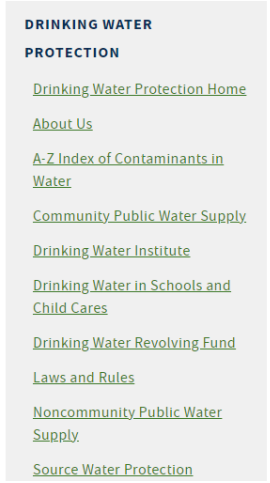
(b) Beginning July 1, 2024, a licensed or certified child care provider must report the provider's test results and remediation activities to the commissioner of health annually on or before July 1 of each year.

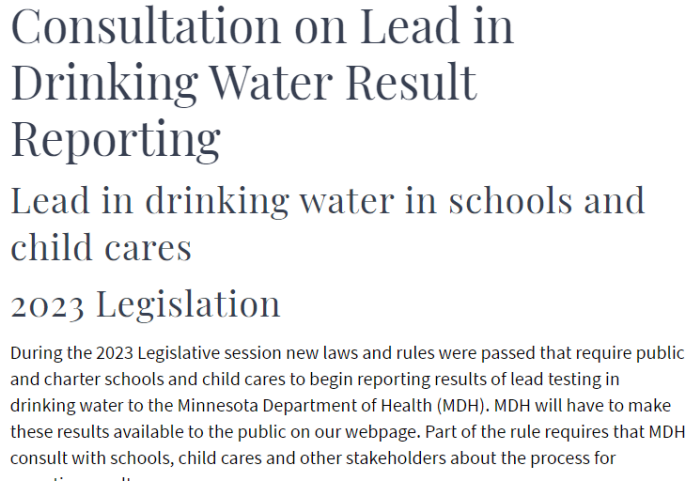
Consultation: Reporting Results and Remediation Activities

Why reporting results to MDH matters?

- Allows us to identify where resources are needed for testing, and remediation.
- Allows us to make informed decisions about the state of lead in drinking water.
- One easy location for parents, students, media to find results and see the work schools are doing to reduce lead in drinking water.

Transparency-Accountability-Trust!





Examples of Ways to Report Results

Sample Number	Location	Type	Date	Results (ppb)
WW1	Kitchen Sink 1	Sink	8/19/2021	<2.0
WW2	Kitchen Sink 2 Nozzle	Sink	8/19/2021	<2.0
WW3	Kitchen Sink 3	Sink	8/19/2021	4.07
WW4	Kitchen Sink 4	Sink	8/19/2021	12.56
WW5	Kitchen Kettle	Kettle	8/19/2021	<2.0
WW6	Health Office	Sink	8/19/2021	<2.0
WW7	Outside Health Office Tall	Drinking Fountain	8/19/2021	<2.0
WW8	Outside Health Office Short	Drinking Fountain	8/19/2021	<2.0
WW9	Outside Health Office	Bottle Filler	8/19/2021	<2.0
WW10	Staff Dining	Sink	8/19/2021	<2.0
WW11	Staff Workroom	Sink	8/19/2021	<2.0
WW12	1270	Sink	8/19/2021	<2.0
WW13	1280 Tall	Sink	8/19/2021	<2.0
WW14	1280 Short	Sink	8/19/2021	<2.0
WW15	1250 Tall	Sink	8/19/2021	<2.0
WW16	1250 Short	Sink	8/19/2021	<2.0
WW17	Outside 1230 Tall	Drinking Fountain	8/19/2021	<2.0
WW18	Outside 1230 Short	Drinking Fountain	8/19/2021	<2.0
WW19	Outside 1230	Bottle Filler	8/19/2021	<2.0
WW20	1260	Sink	8/19/2021	<2.0
WW21	1210 Tall	Sink	8/19/2021	<2.0
WW22	1210 Short	Sink	8/19/2021	<2.0
WW23	1220	Sink	8/19/2021	<2.0
WW24	1240	Sink	8/19/2021	2.03
WW25	Outside 1170 Tall	Drinking Fountain	8/19/2021	<2.0
WW26	Outside 1170 Short	Drinking Fountain	8/19/2021	<2.0
WW27	Outside 1170	Bottle Filler	8/19/2021	<2.0

More Examples of Ways to Report Results

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	)E	DISTRICT	SchooIName	SchoolAddress	SchoolSiteName	SAMP_DATE	XMOD	RESULT	RPT_UNIT	WaterSystemName	WaterSystemCounty	SchoolCounty	SAMPLE_DATE	SAMP_LOADED	SAMPLE_LOADDATE	SAMP_TIME	Action_Levxceedance
36	01-AAB-B	California School	California	500 Waln	Single water	20170411	=	9.915	UG/L	ALAMEDA COUNTY	ALAMEDA	Alameda	11-Apr-17	20170510	10-May-17	0800	No
37	01-AAB-C	California School for the	California School	500 Waln ut	Single water Fountain	20170411	=	28.153	UG/L	ALAMEDA COUNTY WATER	ALAMEDA	Alameda	11-Apr-17	20170510	10-May-17	0745	Yes
38	01-AAB-C	California School for the	California School	500 Waln ut	Single water Fountain	20170425	=	27.555	UG/L	ALAMEDA COUNTY WATER	ALAMEDA	Alameda	25-Apr-17	20170510	10-May-17	0820	Yes
39	01-AAB-C	California School	California	500 Waln	Single water	20171208	=	9.806	UG/L	ALAMEDA COUNTY	ALAMEDA	Alameda	08-Dec-17	20180103	03-Jan-18	0720	No
40	01-AAB-D	California School	California	500 Waln	Single water	20170411	<	5	UG/L	ALAMEDA COUNTY	ALAMEDA	Alameda	11-Apr-17	20170510	10-May-17	0725	No
41	01-AAB-E	California School for the	California School	500 Waln ut	Single water Fountain	20170411	=	18.437	UG/L	ALAMEDA COUNTY WATER	ALAMEDA	Alameda	11-Apr-17	20170510	10-May-17	0735	Yes
42	01-AAB-E	California School	California	500 Waln	Single water	20170425	=	5.938	UG/L	ALAMEDA COUNTY	ALAMEDA	Alameda	25-Apr-17	20170510	10-May-17	0830	No
43	01-AAB-E	California School	California	500 Waln	Single water	20170502	=	12.649	UG/L	ALAMEDA COUNTY	ALAMEDA	Alameda	02-May-17	20170607	07-Jun-17	0735	No
44	01-AAC-A	California School for the	California School	39350 Galladet	Lower Water Fountain	20170425	<	5	UG/L	ALAMEDA COUNTY WATER	ALAMEDA	Alameda	25-Apr-17	20170510	10-May-17	0810	No
45	01-AAC-B	California School for the	California School	39350 Galladet	Upper Water Fountain	20170425	<	5	UG/L	ALAMEDA COUNTY WATER	ALAMEDA	Alameda	25-Apr-17	20170510	10-May-17	0800	No

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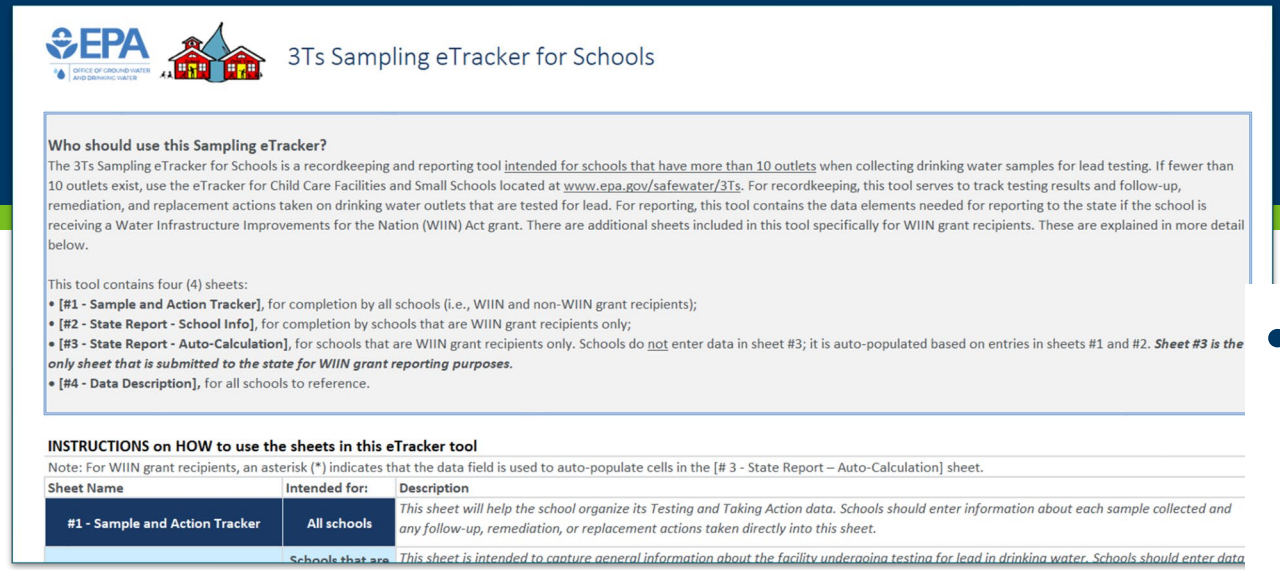
WW23	1220	Sink	8/19/2021	<2.0
WW24	1240	Sink	8/19/2021	2.03
WW25	Outside 1170 Tall	Drinking Fountain	8/19/2021	<2.0
WW26	Outside 1170 Short	Drinking Fountain	8/19/2021	<2.0
WW27	Outside 1170	Bottle Filler	8/19/2021	<2.0

EPA Tools



3Ts Sampling eTracker for Schools

Who should use this Sampling eTracker?

The 3Ts Sampling eTracker for Schools is a recordkeeping and reporting tool intended for schools that have more than 10 outlets when collecting drinking water samples for lead testing. If fewer than 10 outlets exist, use the eTracker for Child Care Facilities and Small Schools located at www.epa.gov/safewater/3Ts. For recordkeeping, this tool serves to track testing results and follow-up, remediation, and replacement actions taken on drinking water outlets that are tested for lead. For reporting, this tool contains the data elements needed for reporting to the state if the school is receiving a Water Infrastructure Improvements for the Nation (WIIN) Act grant. There are additional sheets included in this tool specifically for WIIN grant recipients. These are explained in more detail below.

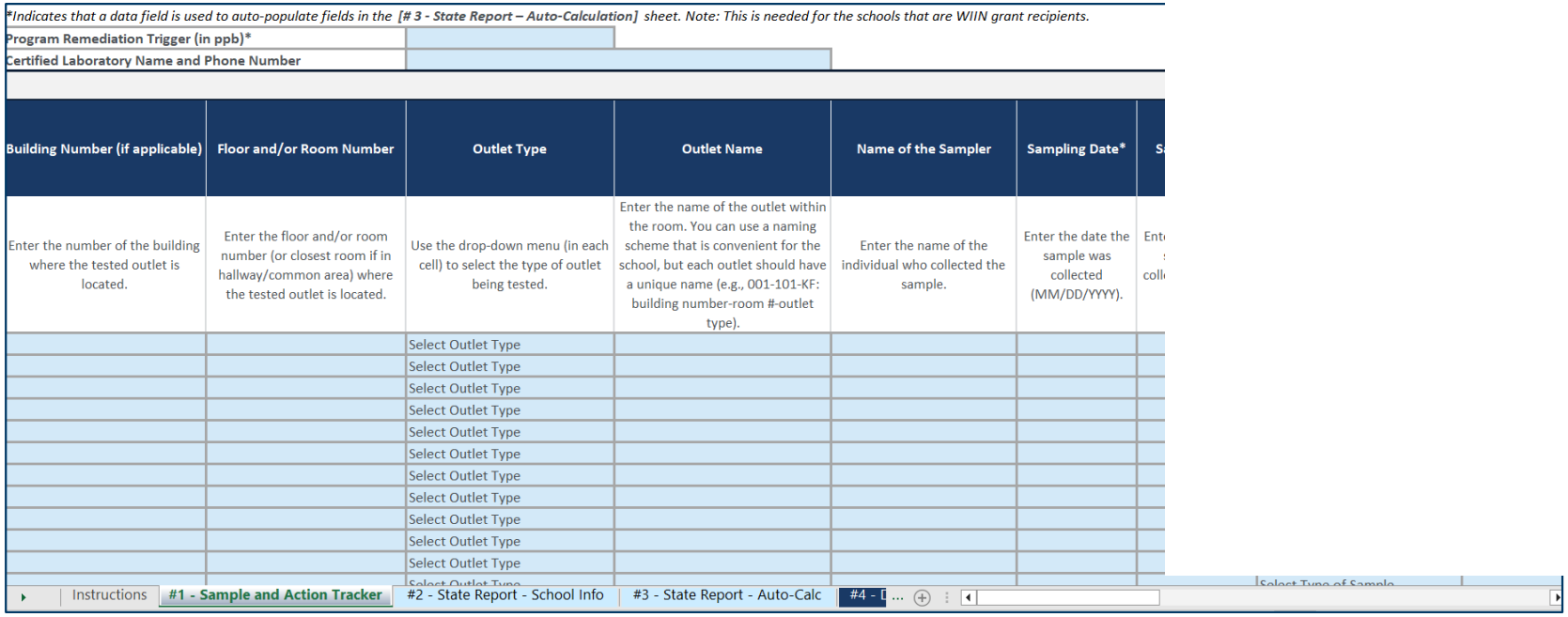
This tool contains four (4) sheets:

- **[#1 - Sample and Action Tracker]**, for completion by all schools (i.e., WIIN and non-WIIN grant recipients);
- **[#2 - State Report - School Info]**, for completion by schools that are WIIN grant recipients only;
- **[#3 - State Report - Auto-Calculation]**, for schools that are WIIN grant recipients only. Schools do not enter data in sheet #3; it is auto-populated based on entries in sheets #1 and #2. ***Sheet #3 is the only sheet that is submitted to the state for WIIN grant reporting purposes.***
- **[#4 - Data Description]**, for all schools to reference.

INSTRUCTIONS on HOW to use the sheets in this eTracker tool

Note: For WIIN grant recipients, an asterisk (*) indicates that the data field is used to auto-populate cells in the [# 3 - State Report – Auto-Calculation] sheet.

Sheet Name	Intended for:	Description
#1 - Sample and Action Tracker	All schools	*This sheet will help the school organize its Testing and Taking Action data. Schools should enter information about each sample collected and any follow-up, remediation, or replacement actions taken directly into this sheet.*
	Schools that are	*This sheet is intended to capture general information about the facility undergoing testing for lead in drinking water. Schools should enter data*



*Indicates that a data field is used to auto-populate fields in the *[# 3 - State Report – Auto-Calculation]* sheet. Note: This is needed for the schools that are WIIN grant recipients.

Program Remediation Trigger (in ppb)*	
Certified Laboratory Name and Phone Number	

Building Number (if applicable)	Floor and/or Room Number	Outlet Type	Outlet Name	Name of the Sampler	Sampling Date*	S
Enter the number of the building where the tested outlet is located.	Enter the floor and/or room number (or closest room if in hallway/common area) where the tested outlet is located.	Use the drop-down menu (in each cell) to select the type of outlet being tested.	Enter the name of the outlet within the room. You can use a naming scheme that is convenient for the school, but each outlet should have a unique name (e.g., 001-101-KF: building number-room #-outlet type).	Enter the name of the individual who collected the sample.	Enter the date the sample was collected (MM/DD/YYYY).	Ent coll
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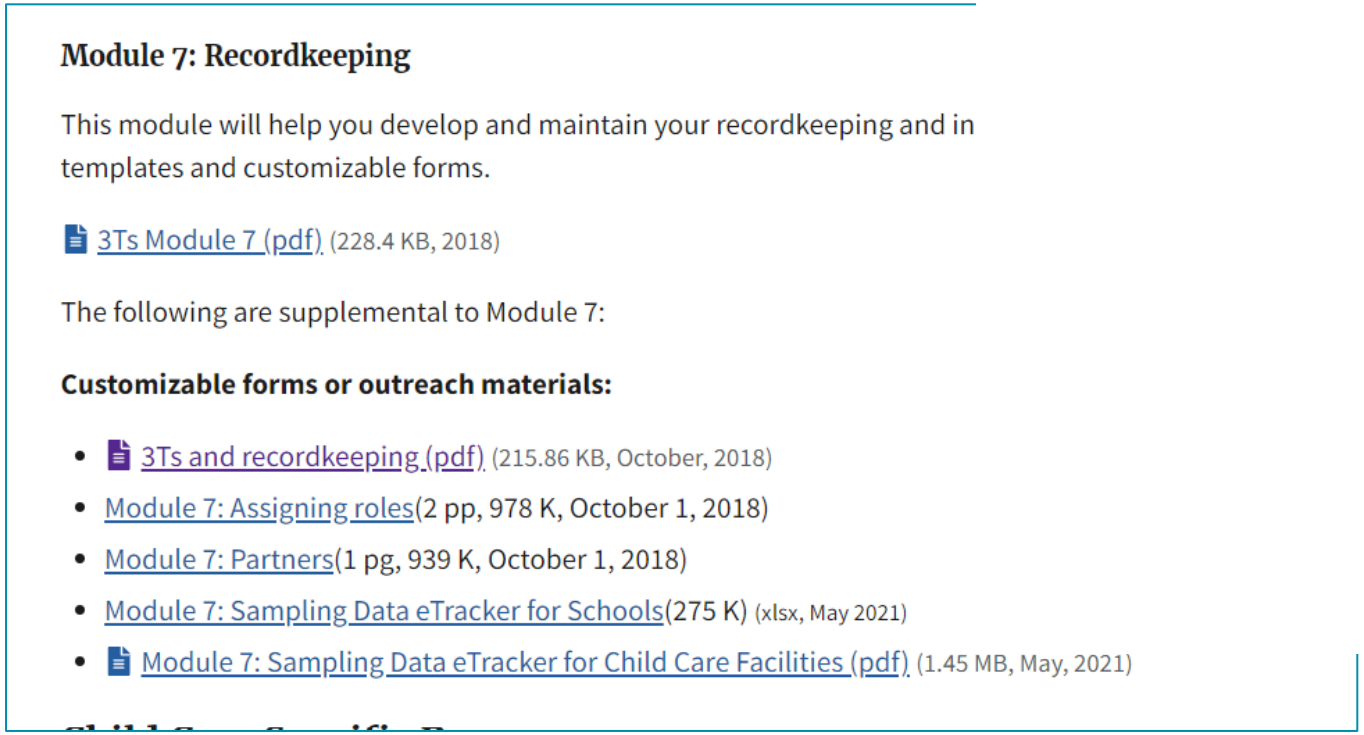
Instructions | #1 - Sample and Action Tracker | #2 - State Report - School Info | #3 - State Report - Auto-Calc | #4 - [...

- EPA has some tools schools can already use to organize and track results.

EPA Tools for Recordkeeping

EPA has some tools schools can already use to organize and track results.



Module 7: Recordkeeping

This module will help you develop and maintain your recordkeeping and in templates and customizable forms.

3Ts Module 7 (pdf) (228.4 KB, 2018)

The following are supplemental to Module 7:

Customizable forms or outreach materials:

- 3Ts and recordkeeping (pdf) (215.86 KB, October, 2018)
- Module 7: Assigning roles(2 pp, 978 K, October 1, 2018)
- Module 7: Partners(1 pg, 939 K, October 1, 2018)
- Module 7: Sampling Data eTracker for Schools(275 K) (xlsx, May 2021)
- Module 7: Sampling Data eTracker for Child Care Facilities (pdf) (1.45 MB, May, 2021)

Poll Question #1

What would be your preferred format for submitting test results?

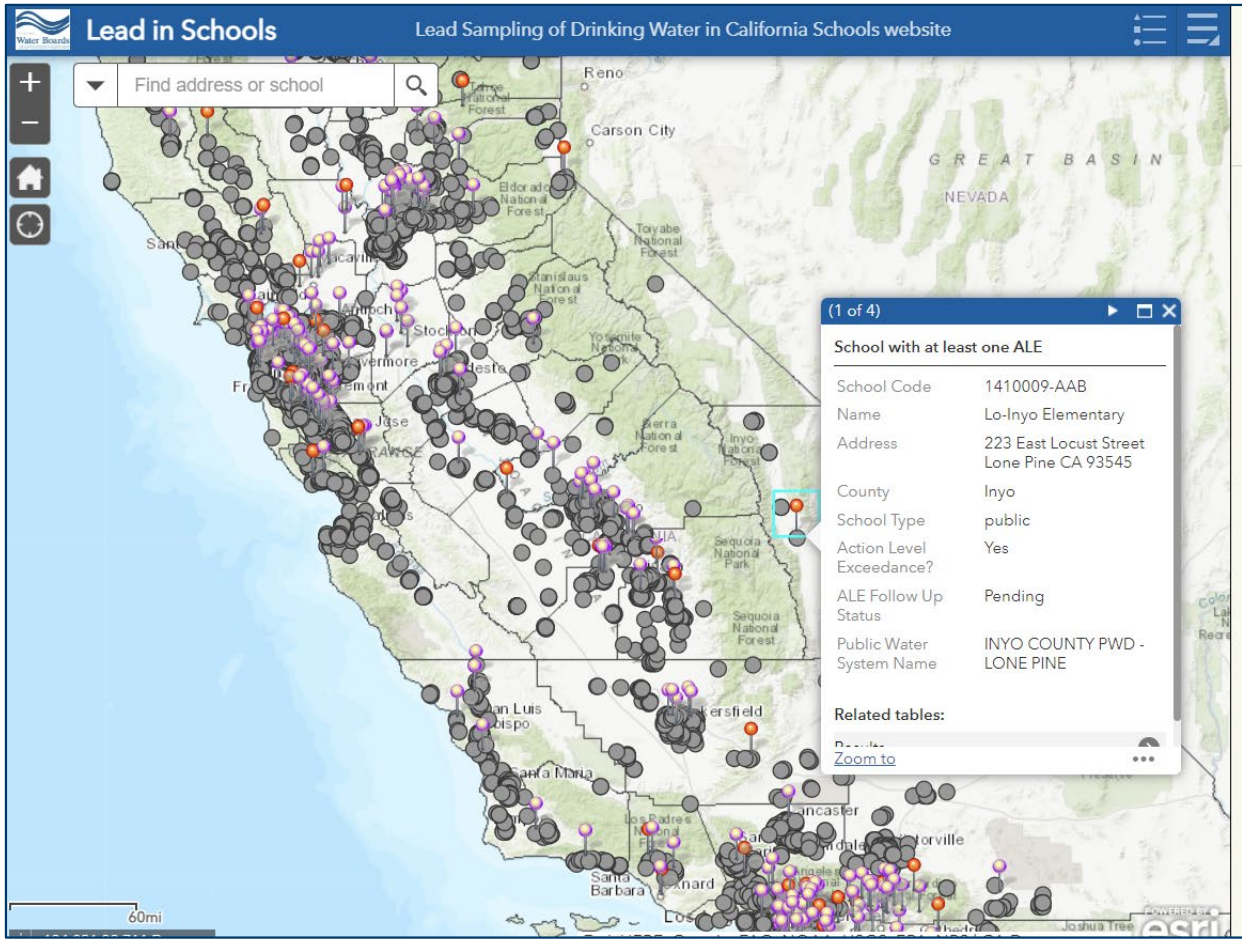
- Online fillable form
- Fillable PDF
- Spreadsheet
- Other (if comfortable type in chat your idea)

Poll Question #2

What would be your preferred method of submitting test results?

- Log in to online portal to upload
- Email to MDH
- Submit online form
- Other

Consultation: Accessing Results



A Story Map

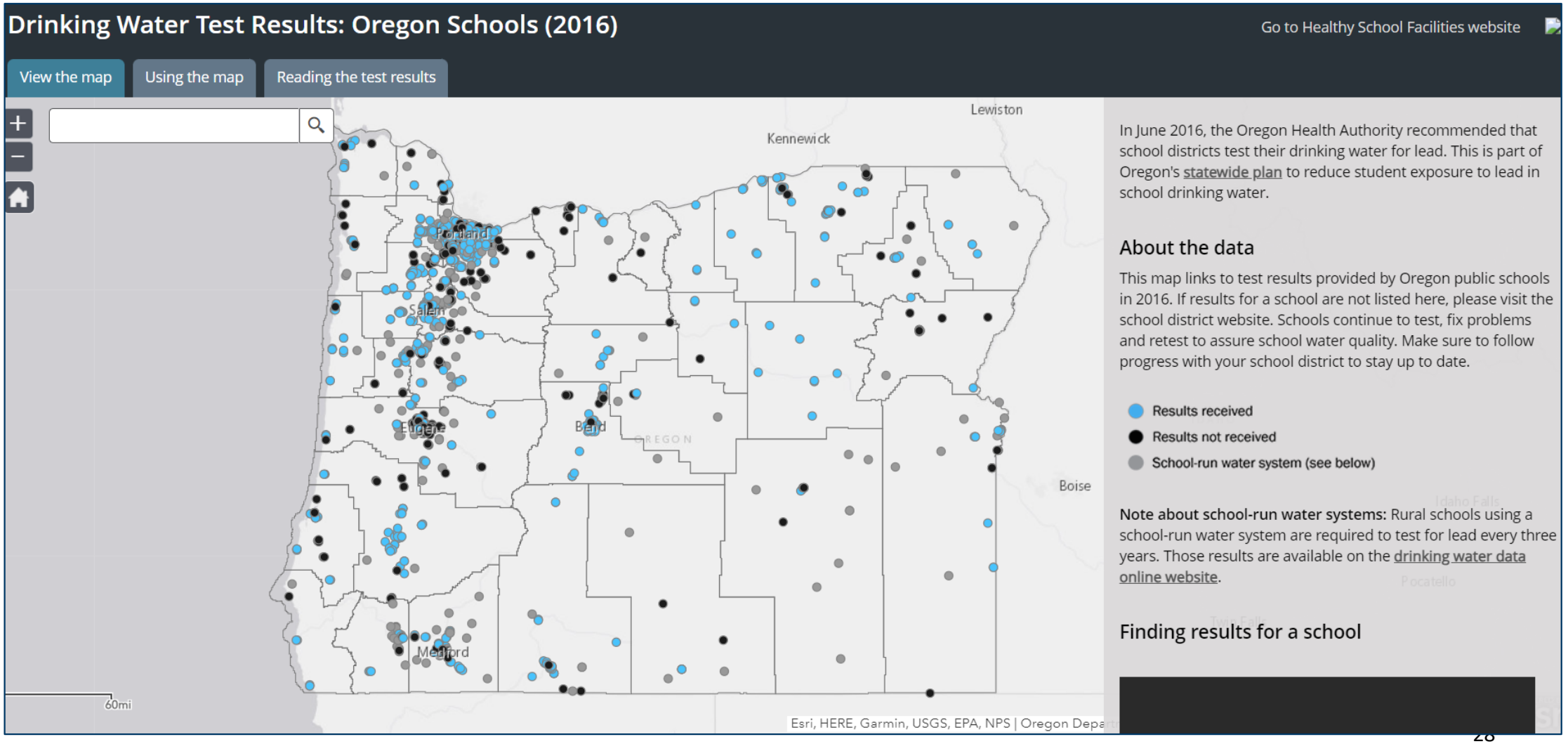
Lead Sampling of Drinking Water in California Schools

here**

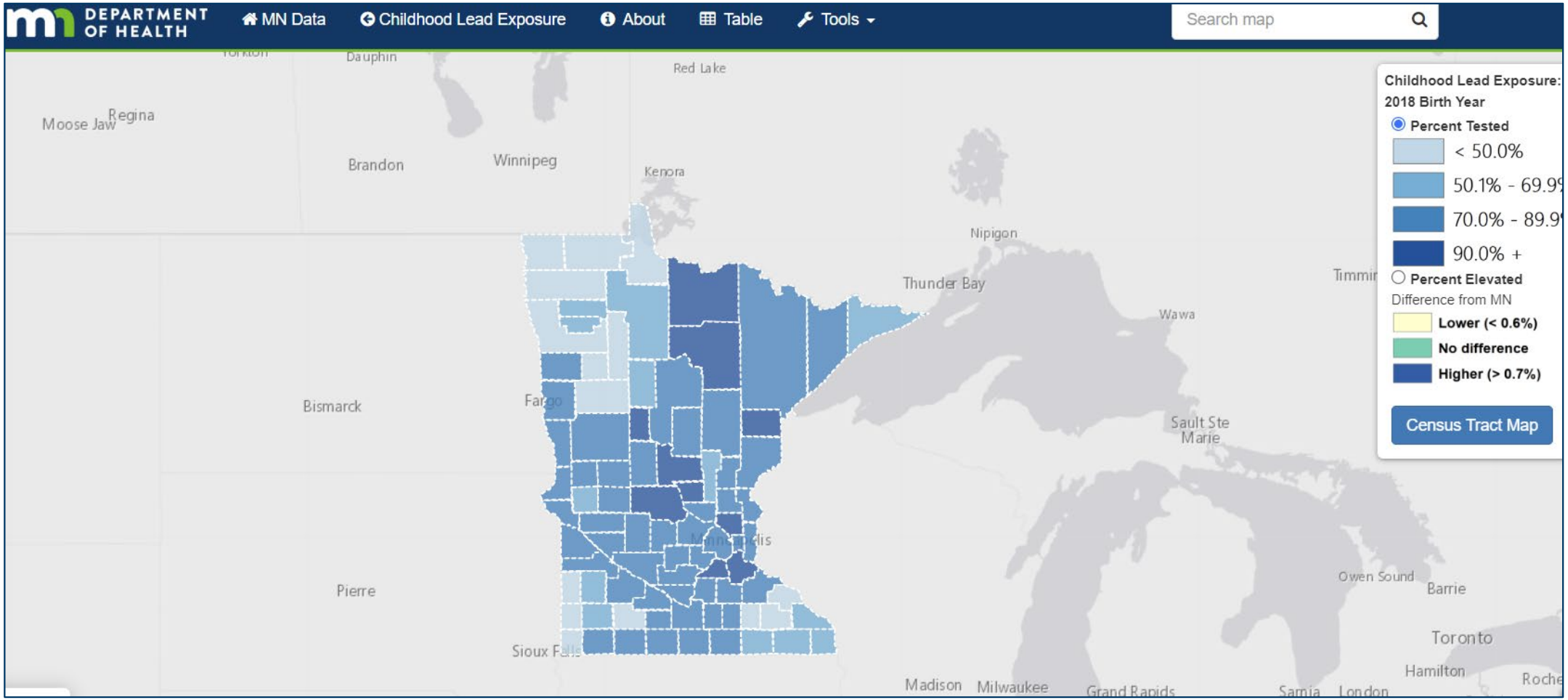
Navigating This Map

The map displayed at the left side of your screen contains lead sampling results for schools tested in the State of California. The grey dots symbolize schools without action level exceedances, the

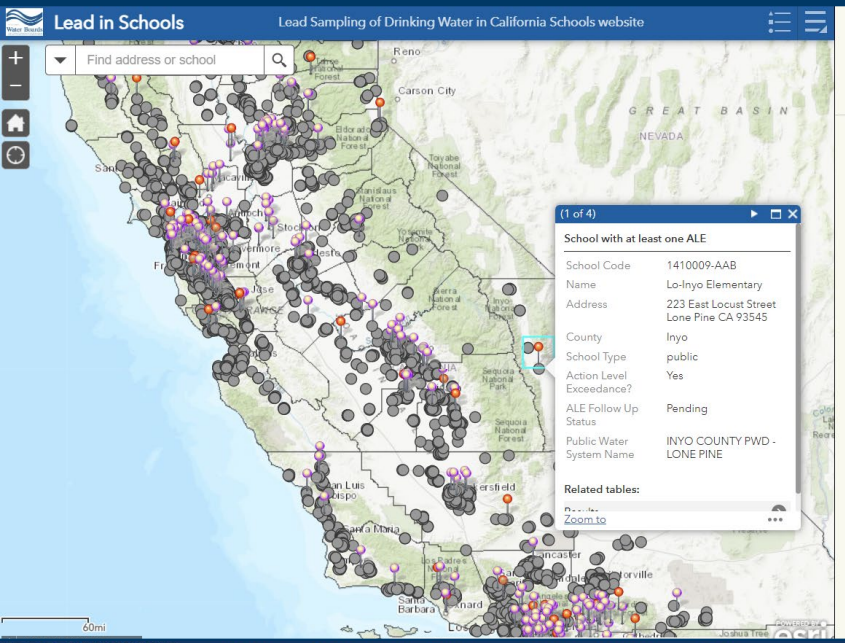
Another Example

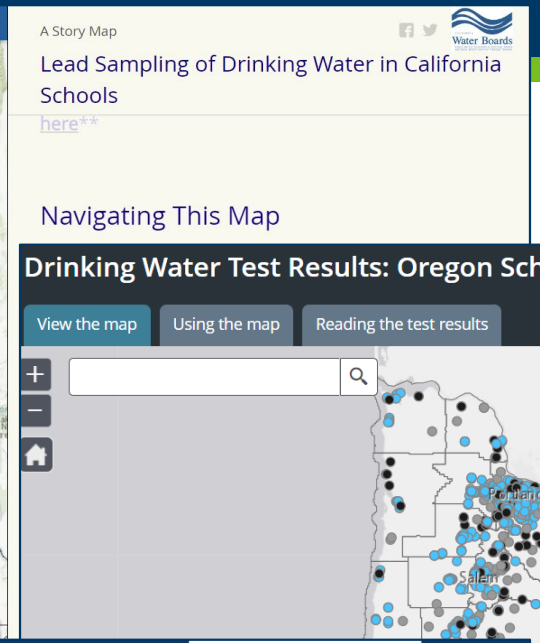


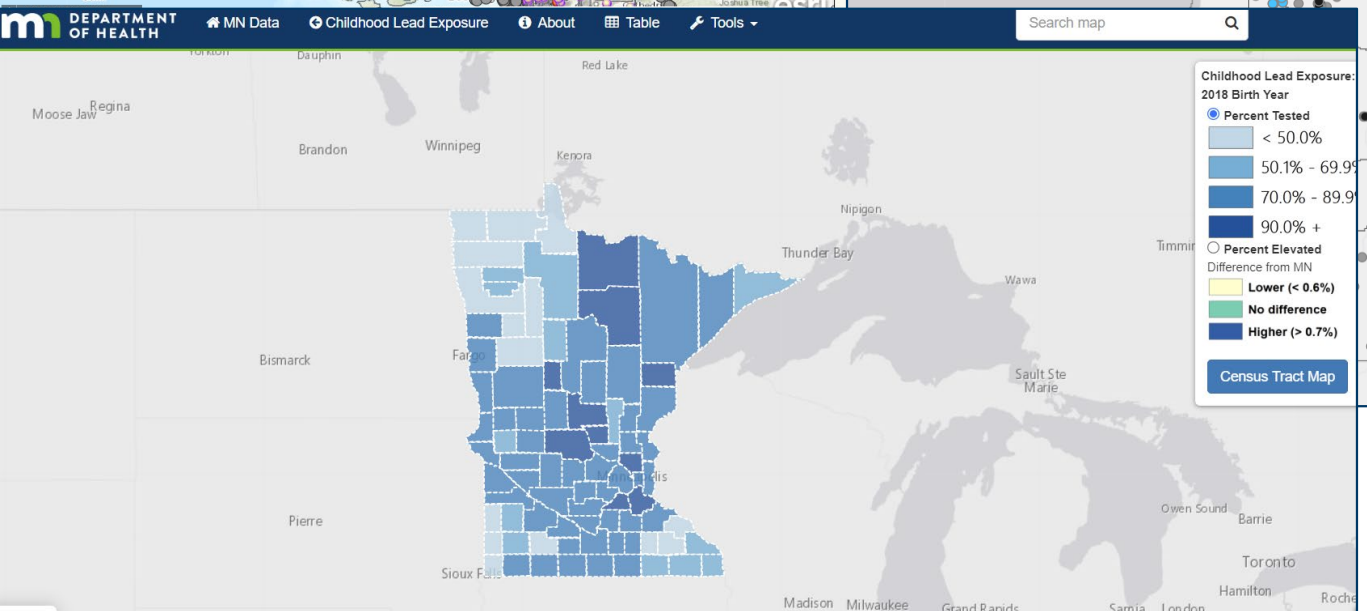
More Examples



One More Example







Poll Question #3

What is your preferred method of accessing/viewing the results?

- Database
- Map
- Dashboard summary of results
- Other

Moving Forward

- Timeline: finish consultation process in October. Reporting tools live and available early 2024 so MDH, schools, and child cares can meet the July 2024 deadline.
- An additional in-depth session for each topic
  - Reporting results
  - Accessing results
  - Updating the Model Plan
- Involving other stakeholders that would be interested in how data is reported, and available for access.
- Submit your name and topic(s) of interest if you or someone you know might be interested in the upcoming sessions

Consultation Webpage

- Webpage for all lead in school/child care drinking water consultation process information: https://www.health.state.mn.us/communities/environment/water/schools/consultation.html
- Includes:
  - Upcoming sessions
  - Past presentation slides and recordings
  - Links to the statute and model plan
  - Online feedback form

Poll Question #4

What are the best ways to get new information to you? (select all that apply)

- In-person meetings
- Virtual meetings
- Email updates
- Mailers
- Other

Poll Question #5

What ways would you like to share feedback with us in the future? (select all that apply)

- Comment box on our website
- Follow up meeting after the results process is operating
- MDH sending out a survey
- Email
- Other

Questions?

Contact Information

Email: HEALTH.WIIN_Grant@state.mn.us

Phone: 651-201-4700

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