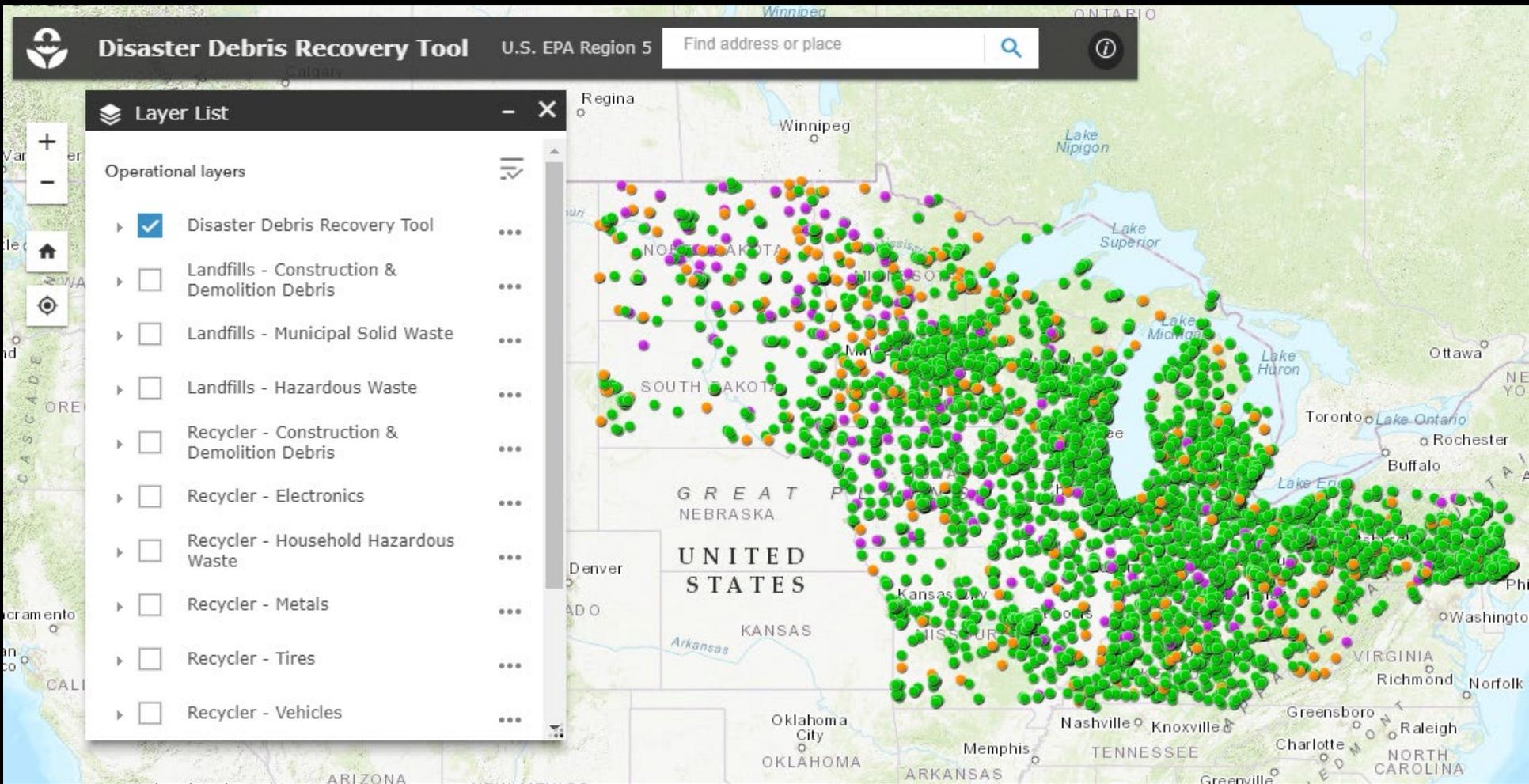




EPA Disaster Debris Recovery Tool



<https://www.epa.gov/large-scale-residential-demolition/disaster-debris-recovery-tool>

December 2018



Webinar Outline

- What is the DDRT?
 - Purpose: for disaster planning, emergency response and sustainable materials management
 - Who are the data partners?
 - Who uses the tool?
- Featured Speakers:
 - Monte Fronk, Mille Lacs Band
 - Brandon Pursel, EPA Region 5
- How does the DDRT connect to Sustainable Materials Management?
- Bad River Band Flood Example

PLANNING FOR NATURAL DISASTER DEBRIS



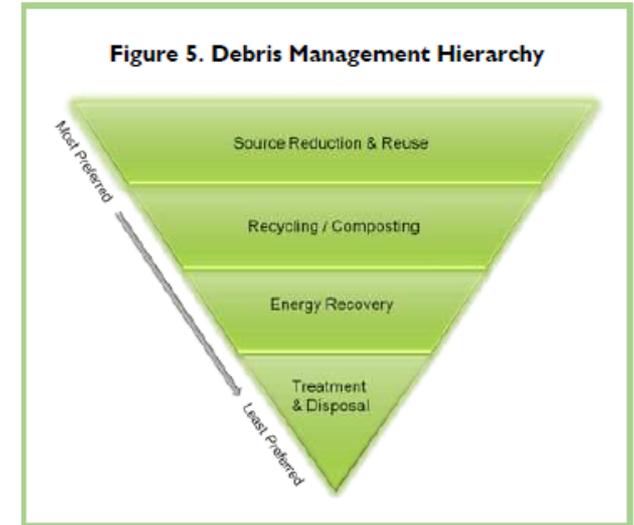
April 2018 DRAFT

Planning for Natural Disaster Debris

generate waste estimates for open spaces and various structures. Estimates can be based on default parameter or user-specified values. This tool can be accessed at <http://www2.ergweb.com/bdrtool/login.asp>.

2.2.3 Evaluate Debris Management Options

EPA has developed a recommended four-tiered hierarchy (see Figure 5) to guide waste management decision-making. Prior planning for potential disasters should include identifying opportunities for source reduction and waste minimization. However, once disaster debris has been generated, communities should be prepared to manage it. For any disaster, an important goal of debris management should be to reduce the amount of disposable waste and preserve valuable, limited landfill space. Being prepared will help officials manage debris in an environmentally responsible manner by ensuring that: 1) debris segregation is optimized; 2) storage or staging sites are located in acceptable areas; 3) reuse and recycling opportunities are utilized to the fullest



After the amounts and types of debris are forecasted, planners should assess the area's capacity to manage the anticipated debris. Waste management facilities, including reuse, recycling, combustion, and disposal facilities, should be inventoried, along with their daily and overall capacities for each debris stream they are permitted to receive.



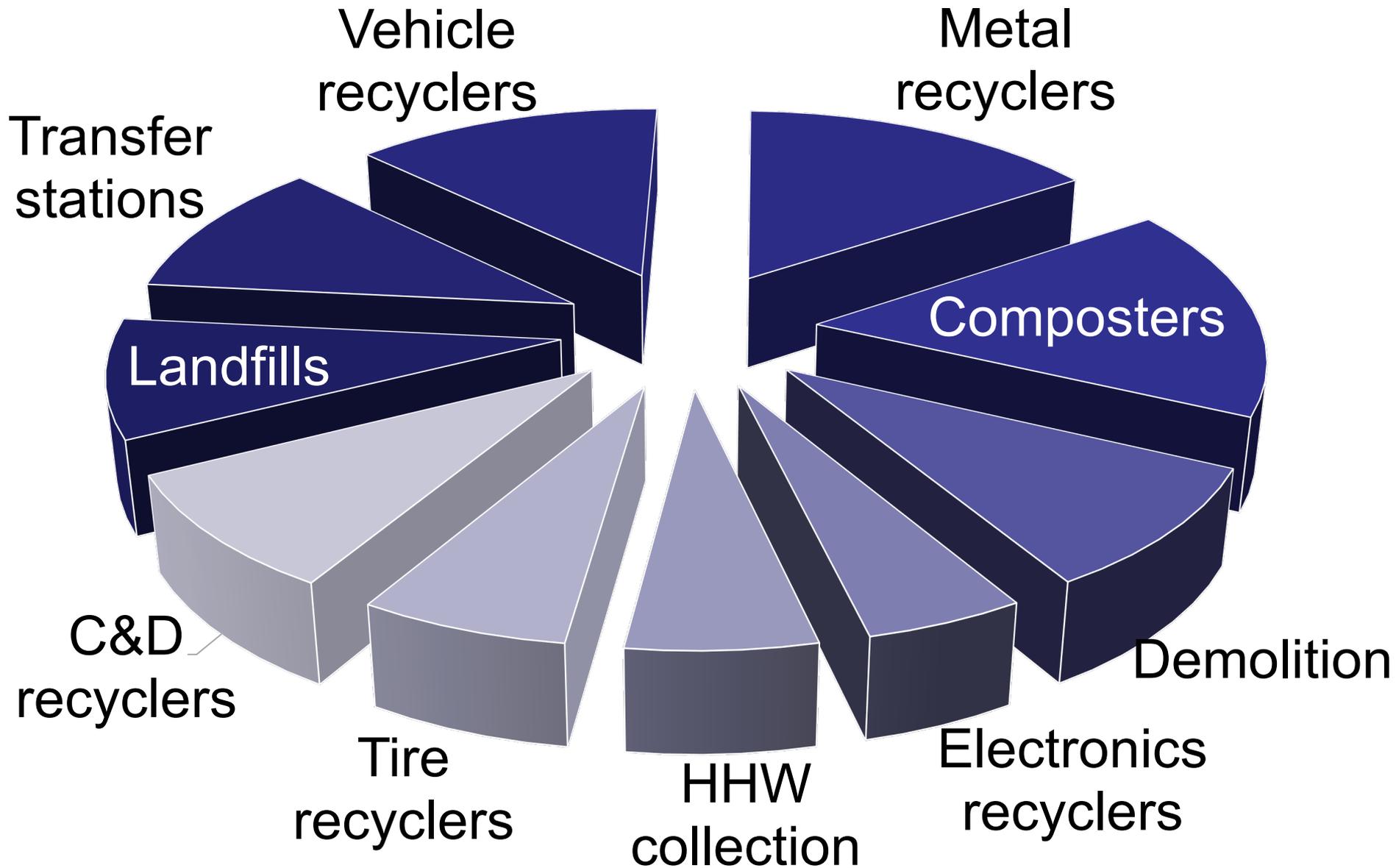
DRAFT April 2018



encouraged to check the compliance histories of potential facilities with their state, local, or tribal officials or use EPA's Enforcement and Compliance History Online (ECHO) national database to search compliance and enforcement information for regulated facilities (<https://echo.epa.gov/>). Communities generally should avoid sending disaster debris to facilities with poor compliance histories to the maximum extent feasible, even if it reduces available capacity within the area, to prevent potential problems in the future.



6,148 Total Facilities



Data Sources



Illinois Environmental Protection Agency



More Data Sources

National associations



US Composting Council®



Federal databases



RCRAInfo



FEMA



and Tribal facilities

Related Topics: [Large-Scale Residential Demolition](#)

Disaster Debris Recovery Tool

Disaster Debris Recovery Tool

[EPA Region 5](#) has developed a and interactive mapping tool of 12 types of recyclers and landfills that manage disaster debris. This tool provides information and locations of over 6,000 facilities throughout Region 5 and surrounding states capable of managing different materials which may be found in disaster debris.

Disaster Debris Recovery Tool - December 2017

- [Web map](#) (tools & downloadable data)
- [Download entire dataset](#)
- Interactive data layers in ArcGIS Online (account required):
 - [Disaster Debris Recovery Tool - Landfills](#)
 - [Disaster Debris Recovery Tool - Recovery](#)

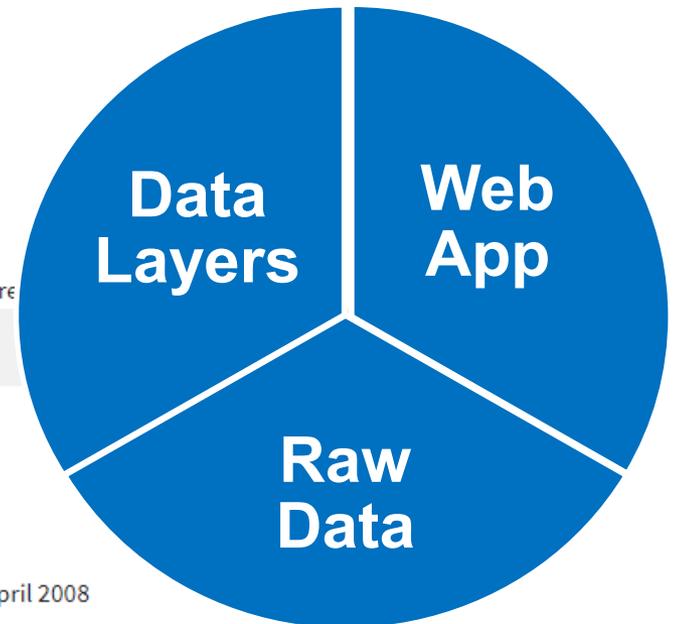
Region 5 state plans and guidance

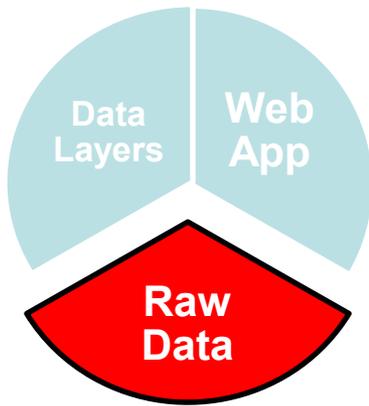
Region 5 states have established debris management plans or guidance, many of which focus on flood-re

The following links exit the site [EXIT](#)

- [Illinois Disaster Recovery Plan \(PDF\)](#) (4 pp, 13 K, [About PDF](#)) September 2011
- [Indiana Disaster Mitigation and Recovery](#)
- [Michigan Disaster Debris Management Plan \(PDF\)](#) (209 pp, 3.4 MB, [About PDF](#)) April 2008
- and [Michigan Local Disaster Debris Management Planning Handbook \(PDF\)](#) (248pp, 2.9MB, [About PDF](#)) April 2008
- Minnesota Debris Plan Guidebook (PDF) (22 pp, 361 K, [About PDF](#)) December 2014
- [Ohio Debris Management](#)
- [Wisconsin - Coping with Cleanup](#)

The DDRT is available:





EPA Environmental Dataset Gateway

<https://edg.epa.gov>



[LOGIN](#) [HELP](#) [SHARE](#)

[Home](#) [Search](#) [Browse](#) [Data](#) [Reuse](#) [Resources](#)

[Details](#) [Relationships](#)

[Share Your Feedback](#)

Disaster Debris Recovery Database - Recovery

Identification Information

Title: Disaster Debris Recovery Database - Recovery

Abstract: The US EPA Region 5 Disaster Debris Recovery Database includes public datasets of over 6,000 composting facilities, demolition contractors, transfer stations, landfills and recycling facilities for construction and demolition materials, electronics, household hazardous waste, metals, tires, and vehicles in the states of Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Missouri, North Dakota, Ohio, Pennsylvania, South Dakota, West Virginia and Wisconsin. In this update, facilities in the 7 states that border the EPA Region 5 states were added to assist interstate disaster debris management. Also, the datasets for composters, construction and demolition recyclers, demolition contractors, and metals recyclers were verified and source information added for each record using these sources: AGC, Biocycle, BMRA, CDRA, ISRI, NDA, USCC, FEMA Debris Removal Contractor Registry, EPA Facility Registry System, and State and local listings.

Purpose: The US EPA Region 5 Disaster Debris Recovery Database is a database organized to promote the proper recovery, recycling, and disposal of disaster debris management for emergency responders at the federal, state, and local levels. For more information, see the EPA's webpage on disaster debris management that includes state resources and contacts.

Distribution Information

Resource(Server) URL: <https://edg.epa.gov/>

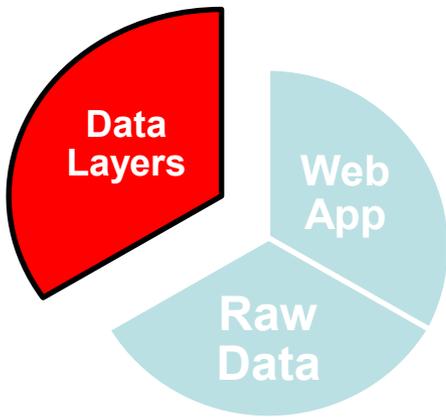
Download URL: <https://edg.epa.gov/data/PUBLIC/R5/EDGddrd.zip>

Reference URL: http://www.epa.gov/region5/waste/solidwaste/debris/disaster_debris_resources.html

ArcGIS Online

aka EPA GeoPlatform

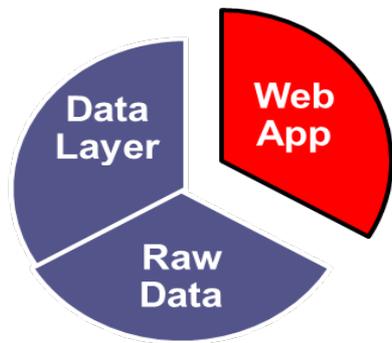
<https://epa.maps.arcgis.com>



Home ▾ Disaster Debris Recovery Database

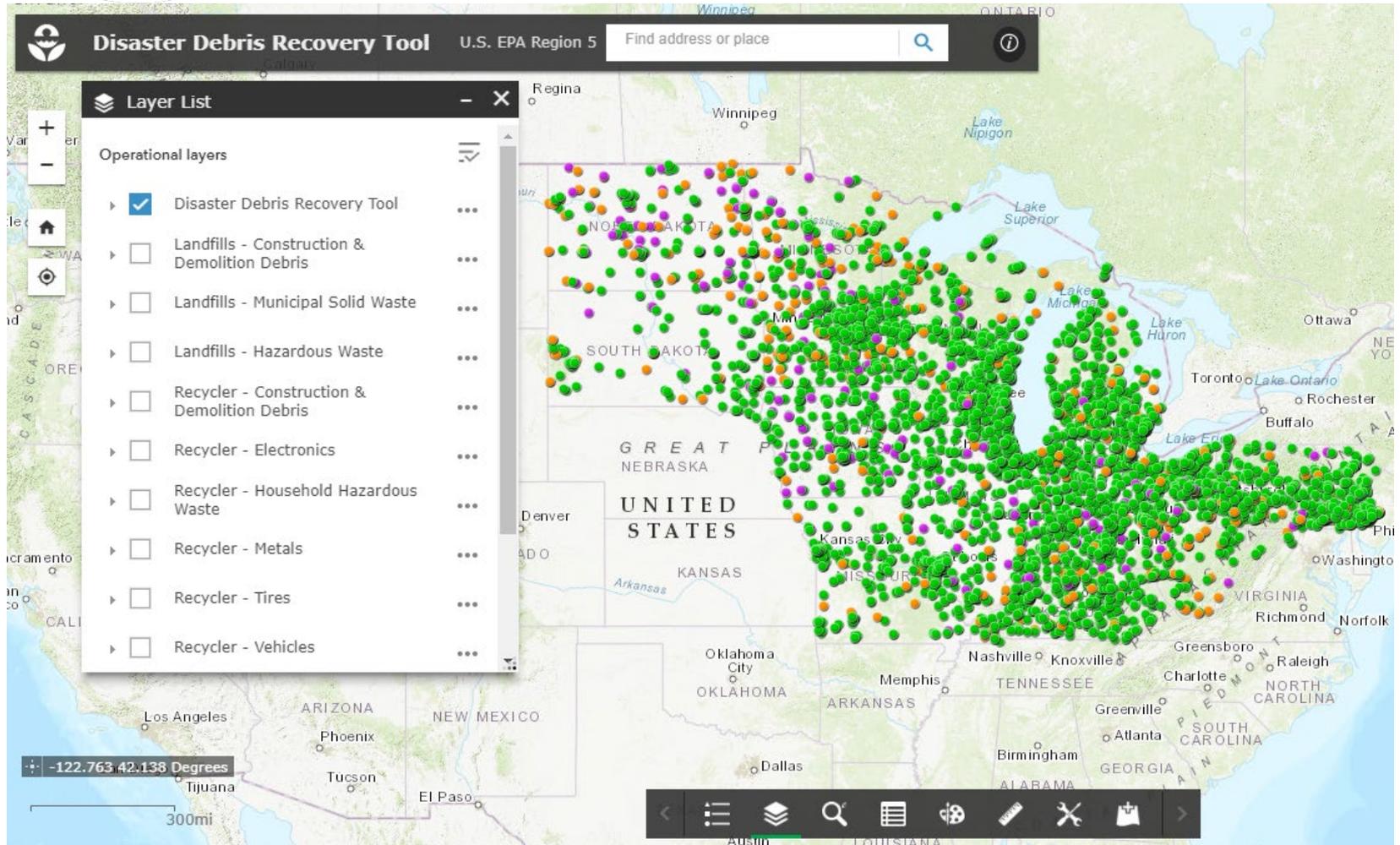
New Map ▾

The screenshot shows the ArcGIS Online interface for the Disaster Debris Recovery Database. The map displays numerous colored dots (green, orange, purple) representing debris recovery sites across the Great Plains region. The interface includes a top navigation bar with 'Details', 'Add', 'Basemap', and 'Analysis' buttons. A search bar is present with the text 'Find address or place'. On the left, a 'Contents' panel lists various data layers, with 'Disaster Debris Recovery Database' selected. The map shows state boundaries, major cities, and geographical features like the Great Lakes and the Great Plains.



Web Application

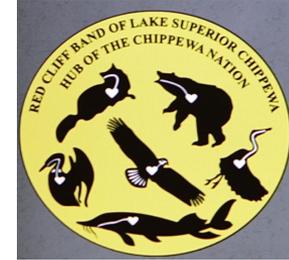
<https://r5.ercloud.org/WAB/DDRT>



Data/Tool users:



Illinois Environmental Protection Agency



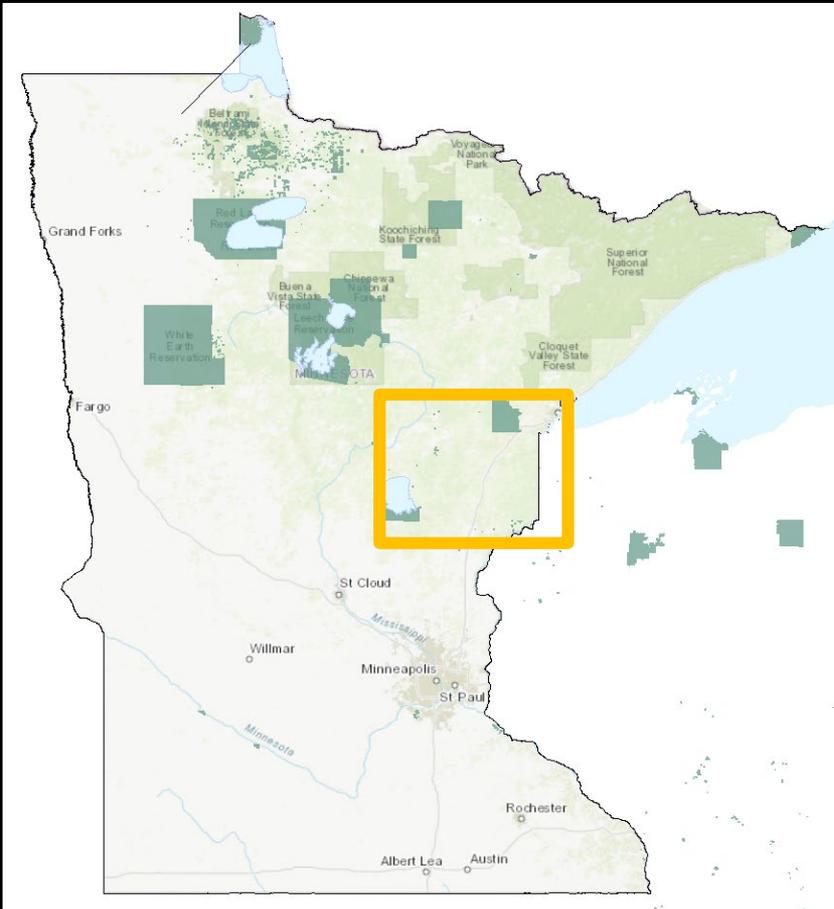


Monte Fronk

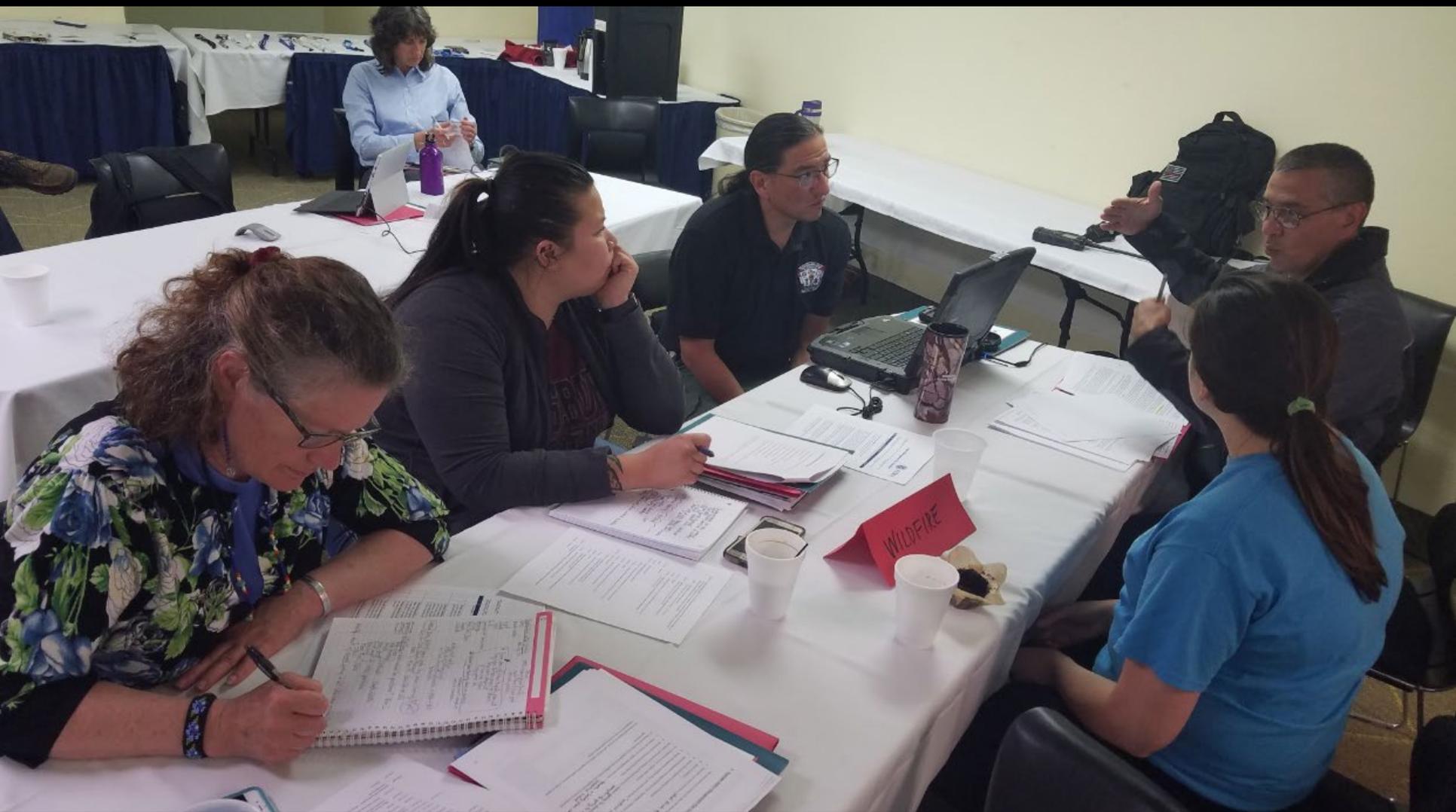
Mille Lacs Band of Ojibwe

Tribal Emergency Management

Mille Lacs Reservation



Tribal Disaster Debris Training – June 2017



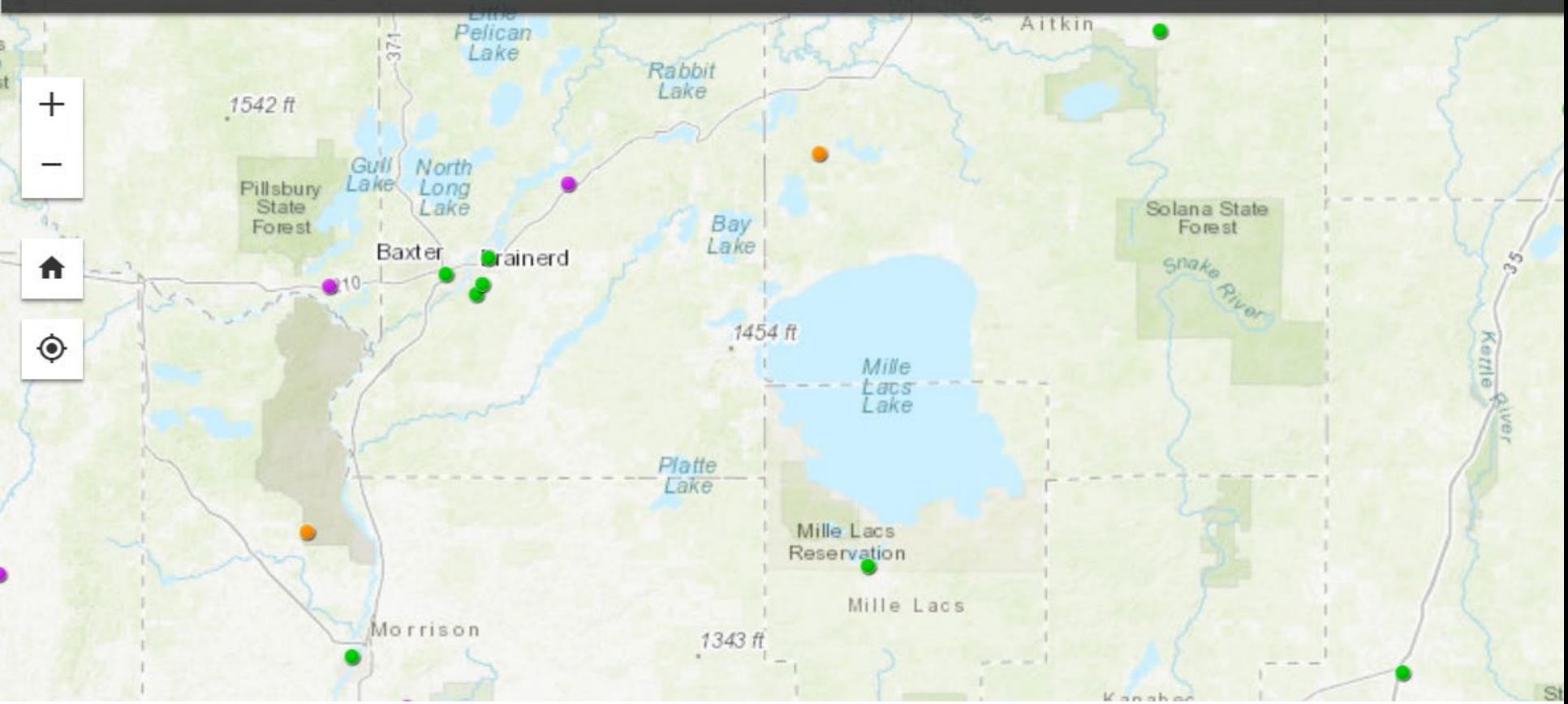




Disaster Debris Recovery Tool

U.S. EPA Region 5

Find address or place



Disaster Debris Recovery Tool

Options Filter by map extent Zoom to Clear selection Refresh

Company	Address	City	State	Zip	Phone	Latitude	Longitude	Recovery	Landfill	C&D	Composting
Bud Jones & Sons Auto Salvage	31787 U S Hwy 169	Onamia	MN	56359	320-532-3552	46.0735080	-93.6705870	Yes	No	No	No

Mille Lacs Band of Ojibwe



EMERGENCY OPERATIONS PLAN

October 2018

Prepared by:
Monte Fronk, Coordinator
Mille Lacs Tribal Police Dept.
Tribal Emergency Management
(320)532-3430

Annex J	Debris Clearance	J-1
	Purpose.....	J-1
	Responsibilities	J-1
	Policies and Procedures	J-1
	Supporting Documents	J-3

G. Final Disposal Sites within 50 miles:

Household hazardous waste collector, C&D landfill, MSW landfill	East Central Solid Waste Commission	1756 180 th Ave Mora, MN 55051	320-444-6818
Tire recycler	John's Used Tire	11708 180 th St Milaca, MN 56353	320-362-0642
Vehicle recycler	Bud Jones & Sons Auto Salvage	31787 US Hwy 169 Onamia, MN 56359	320-532-3552
Electronics recycler	Mercury Technologies of Minnesota Inc.	1110 Holstein Dr. NE Pine City, MN 55063	320-629-7888
Composter	Morrison County Compost Sites	W River Rd Little Falls, MN 56345	320-631-2862
Demolition Contractor	Waste Management of Minnesota, Inc.	7968 Industrial Park Rd Baxter, MN 56425	630-572-2448



Brandon Pursel

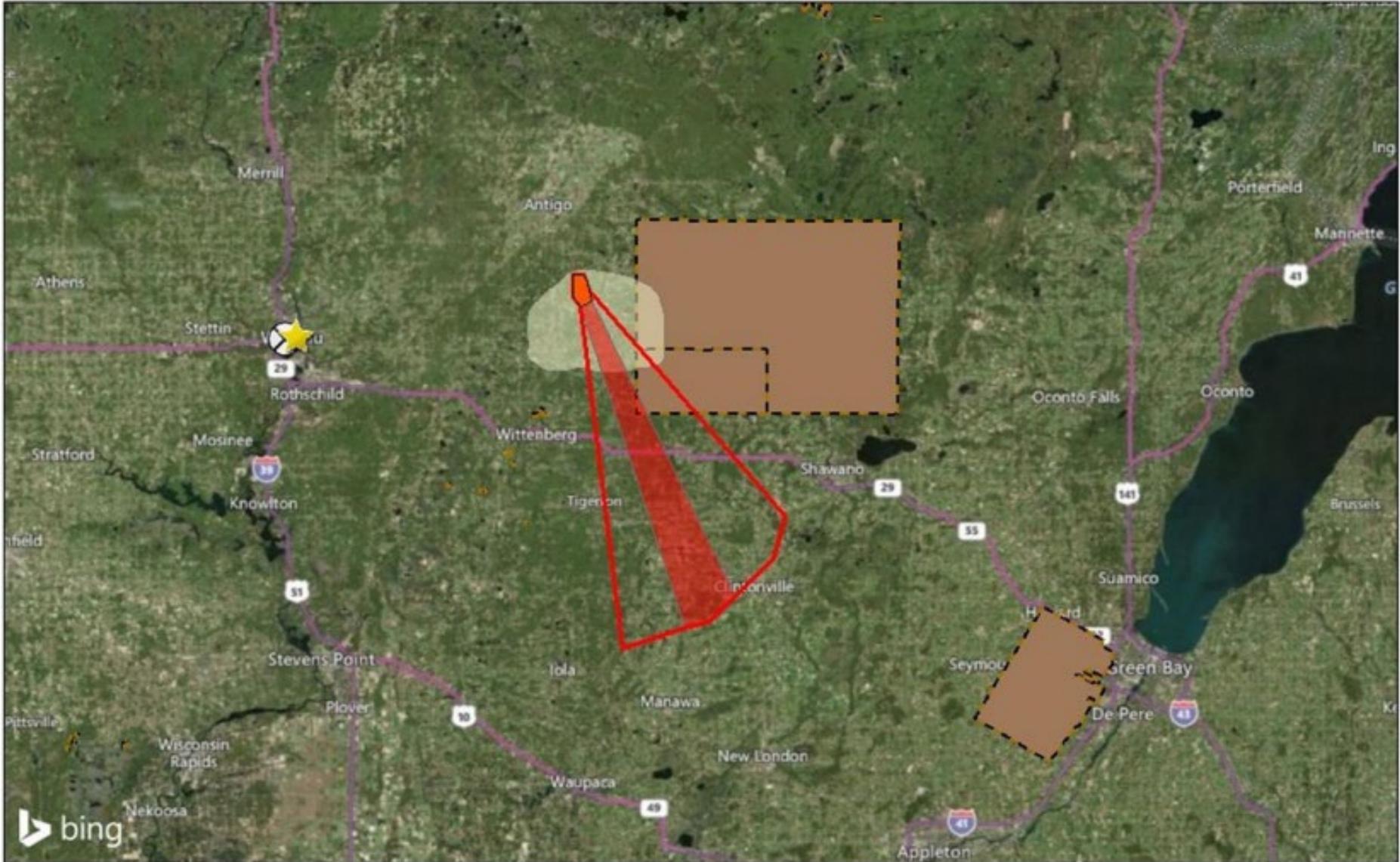
US EPA Region 5

Chemical & Waste Management Team Leader



Northern Wisconsin Wildfire 2018 Active Fire Area

IMT Exercise – May 2018



5/2/2018, 12:09:07 PM

Fire_Location

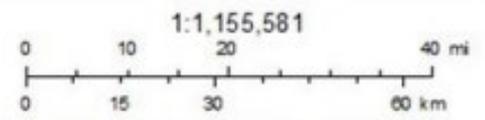
Fire Trajectory 05/02/18 1000 - 1400

IMAC

EOC

Points

Initial Level 2 and Above Evacuation Area





Containers < 30 gal.	192
Containers > 30 gal.	42
Batteries	70
Suspected Asbestos	24
E-Waste	50
Total Item Count	421

Subject: Situation Report (In
Northern Wisconsin
Marathon County, W

To: Northern Wisconsin

Thru: Shelly Lam, Incident
Jeff Kimble, Deputy

From: Craig Thomas, Planr
Kirstin Safakas, Situ
Jenny Davison, Situ

Date: 05/03/2018 0800 ho

Report Period: 05/01/2018 1200 ho

2.2.1. Water Team

- Wastewater Treatment Plant (WWTP) overflow has ceased; technical assistance still being provided at WWTP with one OSC, one START, and Water Team.
- Surface water sampling plan developed with Environmental Unit (ENVL) considering Chemical & Waste Management (CWMT) site assessment data.
- Notified downstream Wisconsin River users (industrial intakes, potable water intakes, and recreational users) of WWTP overflow and potential contamination.
- Region 5's CRL confirmed as able to analyze surface water samples for Polyfluoroalkyl Substances (PFAS).
- Conducting preliminary river reconnaissance to look for signs of impact.

2.2.2. Chemical & Waste Management Team

- Two staging areas established for equipment and waste (HHW, E-waste, asbestos, pharmaceuticals and cylinders); areas inspected and suitable.
- Identified appropriate and applicable regulations for disposal of waste.
- Prepared Disposal Plan for staging, transportation, and disposal of HHW, E-waste, asbestos, pharmaceuticals and cylinders.

2.3 Planning Section

- Facilitated meetings and maintenance of Action Tracker to support Command & General Staff (C&GS) meetings.
- Data coordinator situated in Operations (Ops); currently coordinating with Situation Unit (SITL) to ensure flow of field data to viewer showing Common Operating Picture (COP).
- Documentation Plan for emails, text messages and paper developed and distributed. In addition, guidance on reporting thresholds to Incident Command (IC) distributed.
- Interactive internal map established and updated continuously as new field data is collected on parcels.

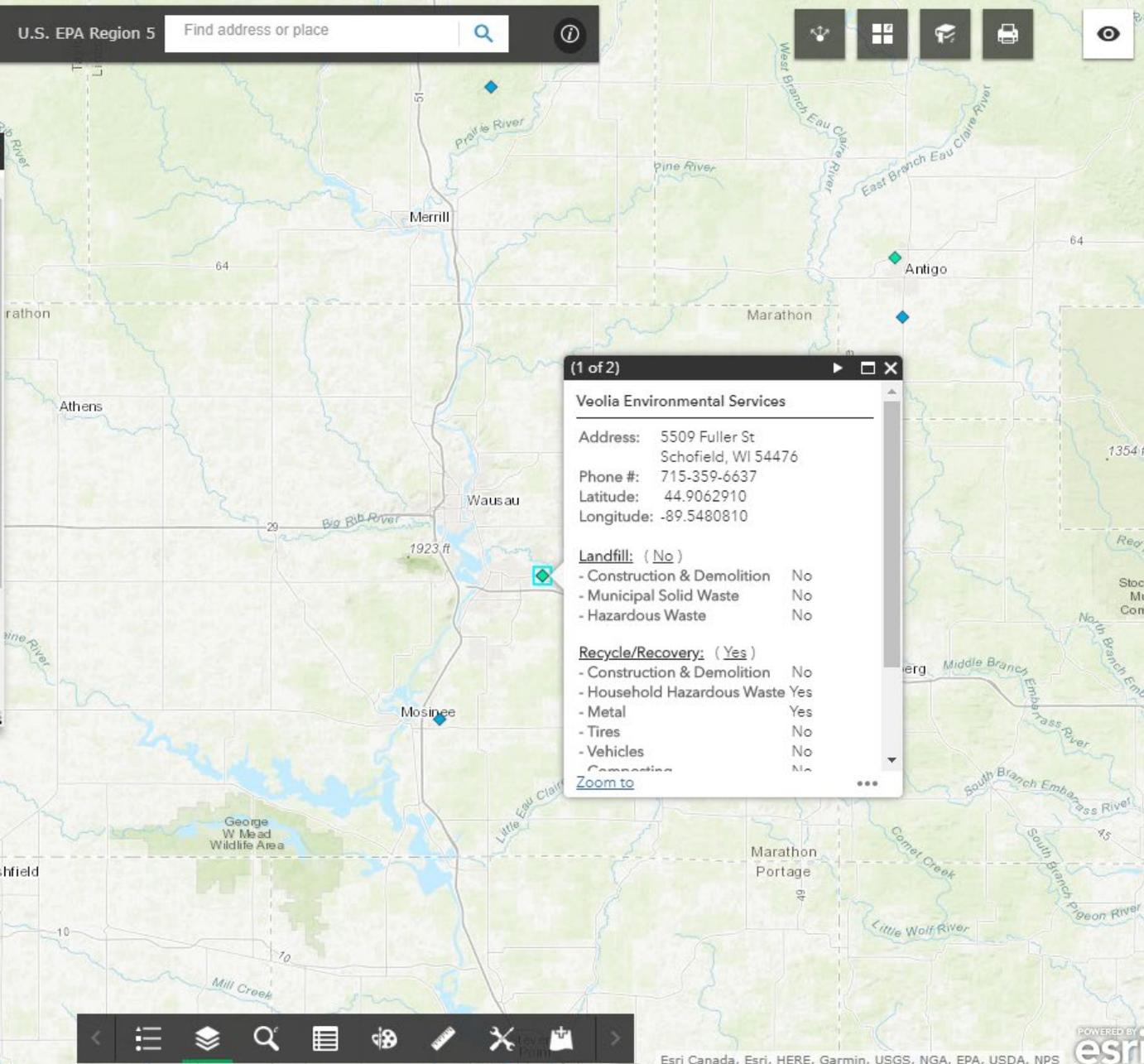
2.3.1. Resources Unit

- Established check-in and check-out procedures using paper sign-in sheet.
- Attended Ops/Tactics meeting and developed Incident Command System (ICS) forms 215 & 204.



Layer List

- Operational layers
- Disaster Debris Recovery Tool
 - Landfills - Construction & Demolition Debris
 - Landfills - Municipal Solid Waste
 - Landfills - Hazardous Waste
 - Recycler - Construction & Demolition Debris
 - Recycler - Electronics
 - Recycler - Household Hazardous Waste
 - Recycler - Metals
 - Recycler - Tires
 - Recycler - Vehicles



(1 of 2)

Veolia Environmental Services

Address: 5509 Fuller St
Schofield, WI 54476

Phone #: 715-359-6637

Latitude: 44.9062910

Longitude: -89.5480810

Landfill: (No)

- Construction & Demolition No
- Municipal Solid Waste No
- Hazardous Waste No

Recycle/Recovery: (Yes)

- Construction & Demolition No
- Household Hazardous Waste Yes
- Metal Yes
- Tires No
- Vehicles No
- Appliances No

[Zoom to](#)

-89.843 44.667 Degrees

Neillsville
6mi



EPA Region 5 IMT Exercise – Operations Dashboard & Viewer - May 2018

Cylinders

73

Last update: 3 hours ago

Batteries

85

Last update: 3 hours ago

Containers < 30 gal

333

Last update: 3 hours ago

Containers > 30 gal

164

Last update: 3 hours ago

E-Waste

67

Last update: 3 hours ago

Other

15

Last update: 3 hours ago

Assessed - NFA

32

Last update: 3 hours ago

Cleanup Completed

27

Last update: 3 hours ago

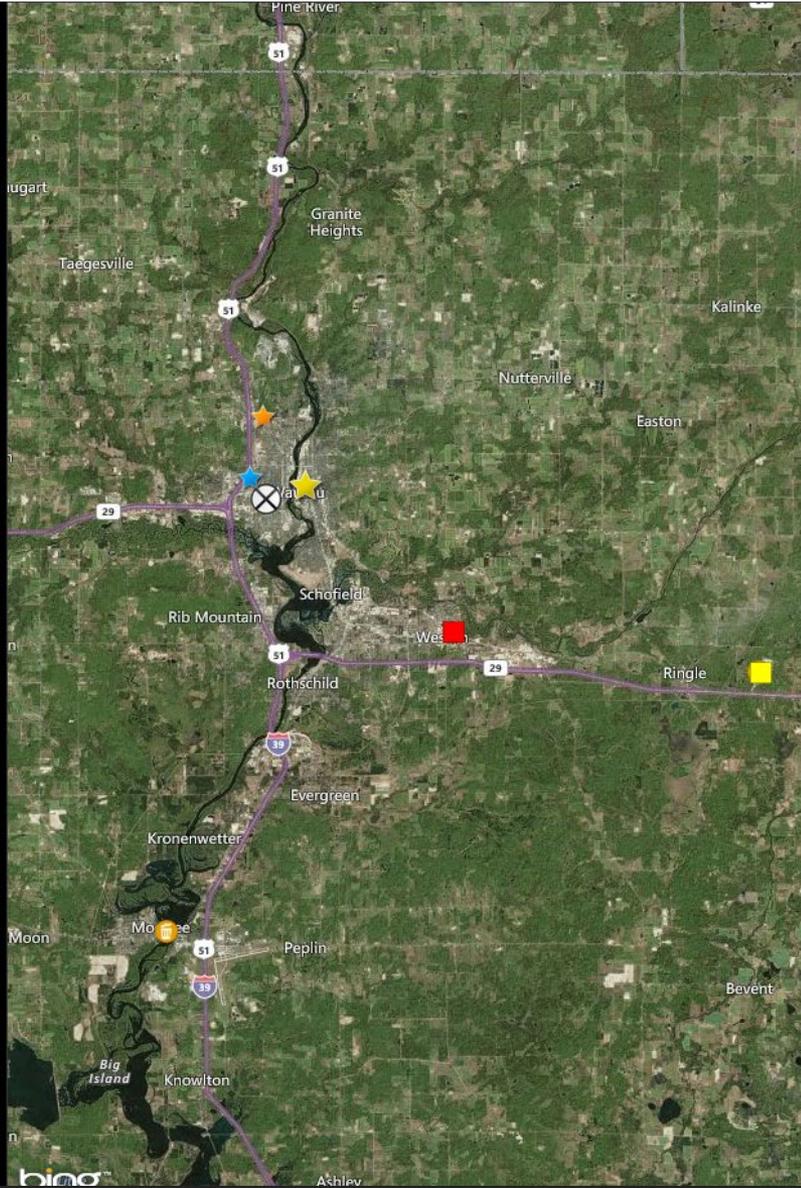
Cleanup Pending

31

Last update: 3 hours ago

Asbestos Present

28



Staging Areas

- ★ Equipment
- ★ Waste

Disposal Facilities

- Asbestos
- HHW
- HHW, E-Waste and Asbestos

Landfills (within 50 miles)



EOC



IC-MCP



Materials Management



The DDRT is used for more than disaster debris management

- Waste Management technical assistance
- Reducing costs



The DDRT can also be used for remediation/ response projects



A large, faint watermark of the United States Environmental Protection Agency (EPA) logo is centered in the background. The logo consists of a circular border containing the text "UNITED STATES" at the top and "ENVIRONMENTAL PROTECTION AGENCY" at the bottom, separated by two dots. In the center of the circle is a stylized green leaf with a circular hole in its upper portion.

**Bad River Band of
Lake Superior Chippewa Tribe
Example**



The Bad River Band of Lake Superior Chippewa Tribe



[Home](#) [Legislative ▼](#) [Tribal Operations ▼](#) [Tribal News ▼](#) [Enterprise ▼](#) [Legal & Enforcement ▼](#) [Youth Events ▼](#)

State of Emergency - Severe Storm and Flooding Update, July 17 2016





Show search results for Odanah, ...

- DDRT Documentation
- EPA R5 Disaster Debris Management
- DDRT Tips and Tricks



Search DDRT

By Shape By Value Results

Select Search Criteria

Demolition Contractors

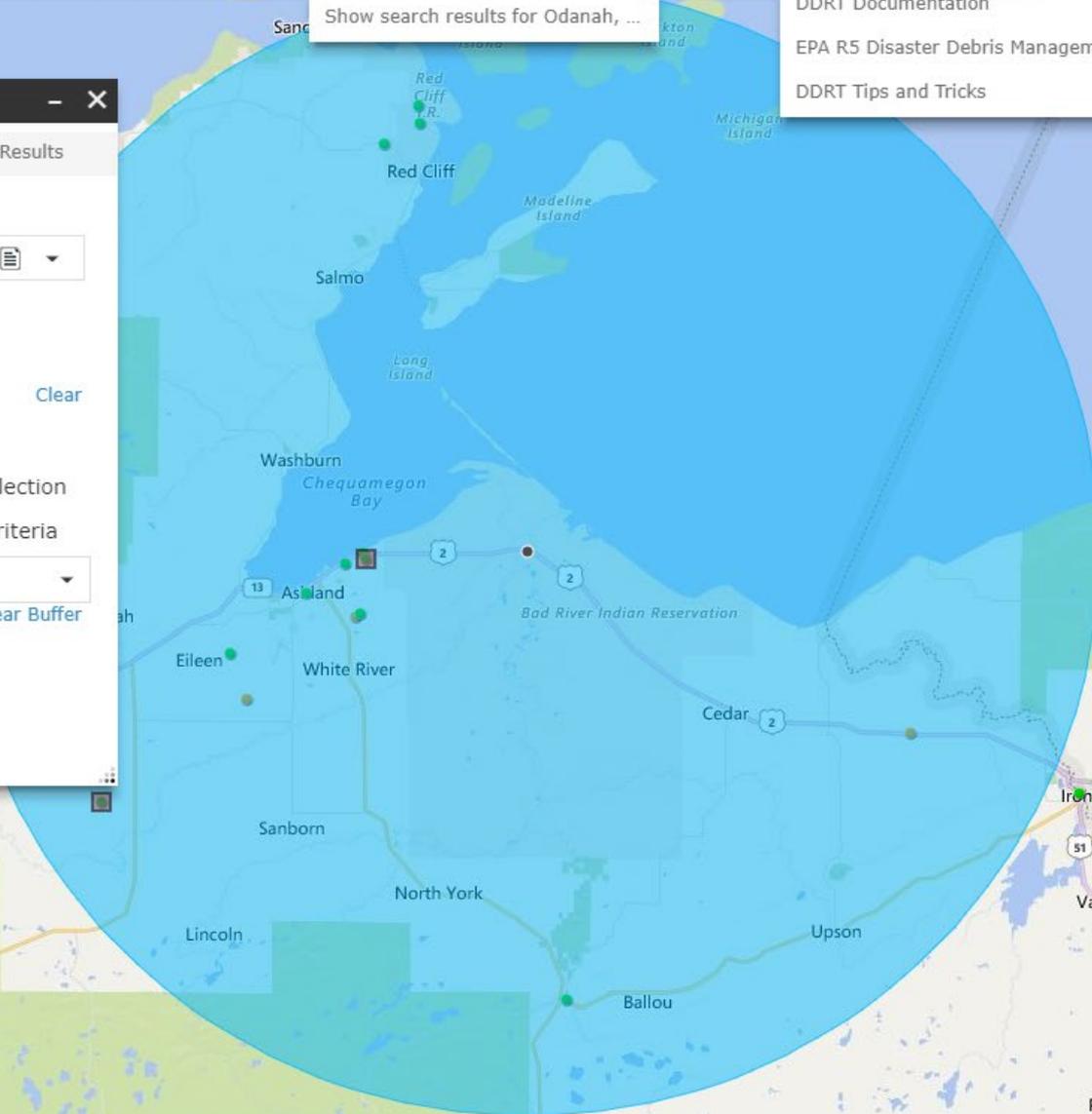
Select features by



Clear

- Enable multi-part graphics
- Add search tolerance to point selection
- Include text query in selection criteria
- Buffer Graphic 25 Miles

Clear Buffer



-90.999 46.206 Degrees



6mi



Click to add a point

Show search results for Odanah, ...

DDRT Documentation

EPA R5 Disaster Debris Management

DDRT Tips and Tricks

Search DDRT

By Shape

By Value

Results

Features selected: 2

Waste Management Of Wisconsin, Inc.

Address: 600 Industrial Park Rd

City: Ashland

State: WI

Zip: 54806

Phone: 630-572-2448

Latitude: 46.605821

Longitude: -90.838322

K V Tech Corporation

Address: 23520 Faith Church Rd

City: Mason

State: WI

Zip: 45040

Phone: 715-765-4483

Latitude: 46.44966

Longitude: -91.081767

Waste Management Of Wisconsin, Inc.

Address: 600 Industrial Park Rd

City: Ashland

State: WI

Zip: 54806

Phone: 630-572-2448

Latitude: 46.605821

Longitude: -90.838322

Landfill - Construction/Demo Debris: No

Landfill - Municipal Solid Waste: No

Landfill - Hazardous Waste: No

C&D: No

Electronics: No

HHW: No

Metals: No

Tires: No

Vehicles: No

Composting: No

Demolition Contractor: Yes

Transfer Station: No

Zoom to

-90.852 46.612 Degrees



Show search results for Odanah, ...

- DDRT Documentation
- EPA R5 Disaster Debris Management
- DDRT Tips and Tricks



Search DDRT

By Shape By Value Results

Features selected: 2

Waste Management Of Wisconsin, Inc.
Address: 600 Industrial Park Rd
City: Ashland
State: WI
Zip: 54806
Phone: 630-572-2448
Latitude: 46.605821
Longitude: -90.838322

K V Tech Corporation
Address: 23520 Faith Church Rd
City: Mason
State: WI
Zip: 45040
Phone: 715-765-4483
Latitude: 46.44966
Longitude: -91.081767

Waste Management Of Wisconsin, Inc.
 Address: 600 Industrial Park Rd
 City: Ashland
 State: WI
 Zip: 54806
 Phone: 630-572-2448
 Latitude: 46.605821
 Longitude: -90.838322
 Landfill - Construction/Demo Debris: No
 Landfill - Municipal Solid Waste: No
 Landfill - Hazardous Waste: No
 C&D: No
 Electronics: No
 HHW: No
 Metals: No
 Tires: No
 Vehicles: No
 Composting: No
 Demolition Contractor: Yes
 Transfer Station: No

[Zoom to](#)

- Pan to
- Add a marker
- Directions to here
- Directions from here
- View in Attribute Table

-90.836 46.603 Degrees





Show search results for Odanah, ...

- DDRT Documentation
- EPA R5 Disaster Debris Management
- DDRT Tips and Tricks



Search DDRT

By Shape By Value Results

Features selected: 2

- Waste Management Of Wisconsin, Inc.**
 Address: 600 Industrial Park Rd
 City: Ashland
 State: WI
 Zip: 54806
 Phone: 630-572-2448
 Latitude: 46.605821
 Longitude: -90.838322
- K V Tech Corporation**
 Address: 23520 Faith Church Rd
 City: Mason
 State: WI
 Zip: 45040
 Phone: 715-765-4483
 Latitude: 46.44966
 Longitude: -91.081767

Directions

- Odanah, WI, USA
- 410-898 Industrial Park Rd, Ashland,

ADD

Driving Time

LEAVE NOW OPTIONS

GET DIRECTIONS

CLEAR



00:10 9 min typically 12.21 kilometers

-90.813 46.557 Degrees

bing 1mi





Show search results for Odanah, ...

- DDRT Documentation
- EPA R5 Disaster Debris Management
- DDRT Tips and Tricks



Directions

- Odanah, WI, USA
- 410-898 Industrial Park Rd, Ashla

ADD

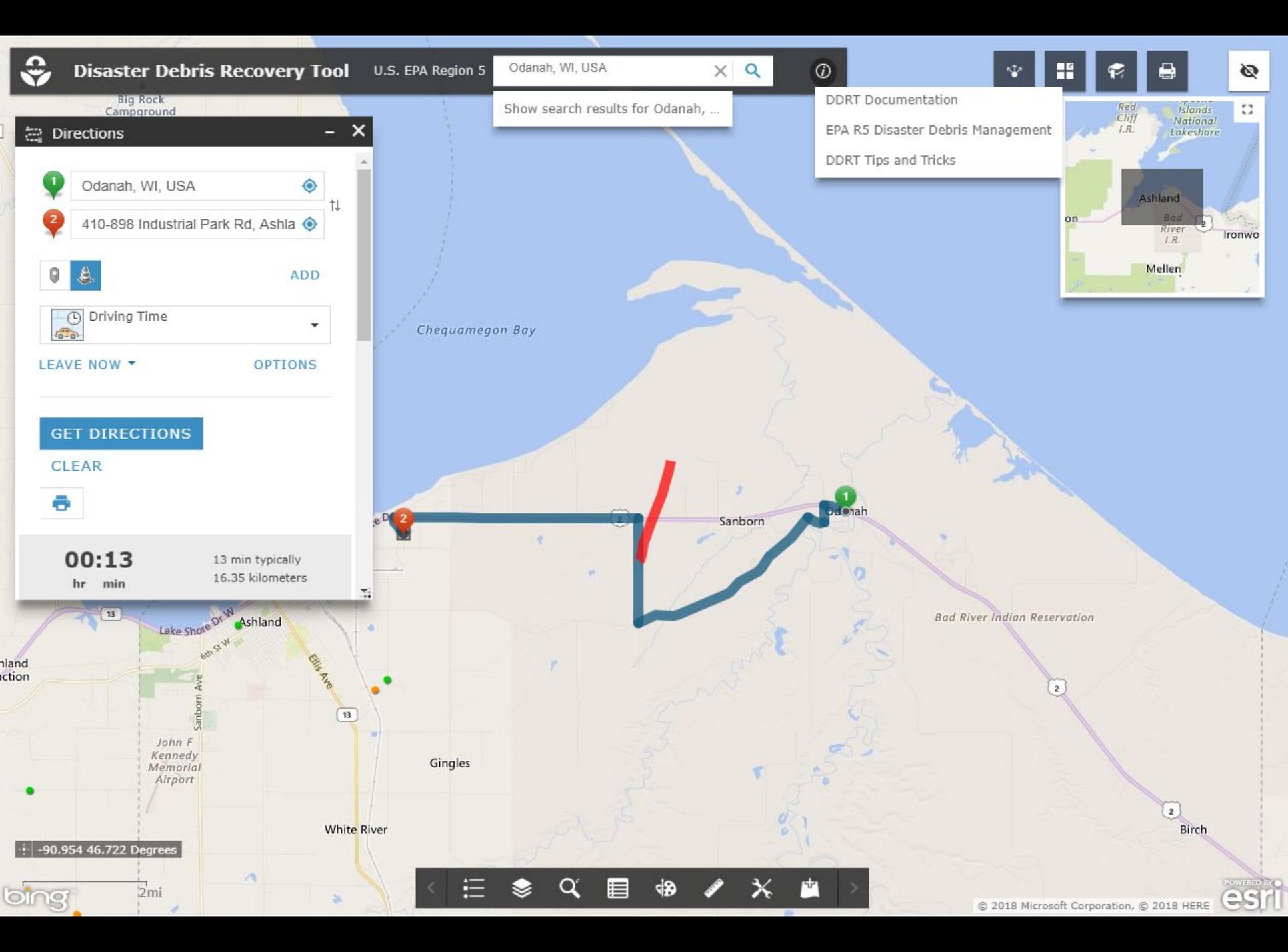
Driving Time

LEAVE NOW OPTIONS

GET DIRECTIONS

CLEAR

00:13
13 min typically
16.35 kilometers



-90.954 46.722 Degrees





Show search results for Odanah, ...

Directions [Close]

1 Odanah, WI, USA

2 410-898 Industrial Park Rd, Ashland, WI

ADD

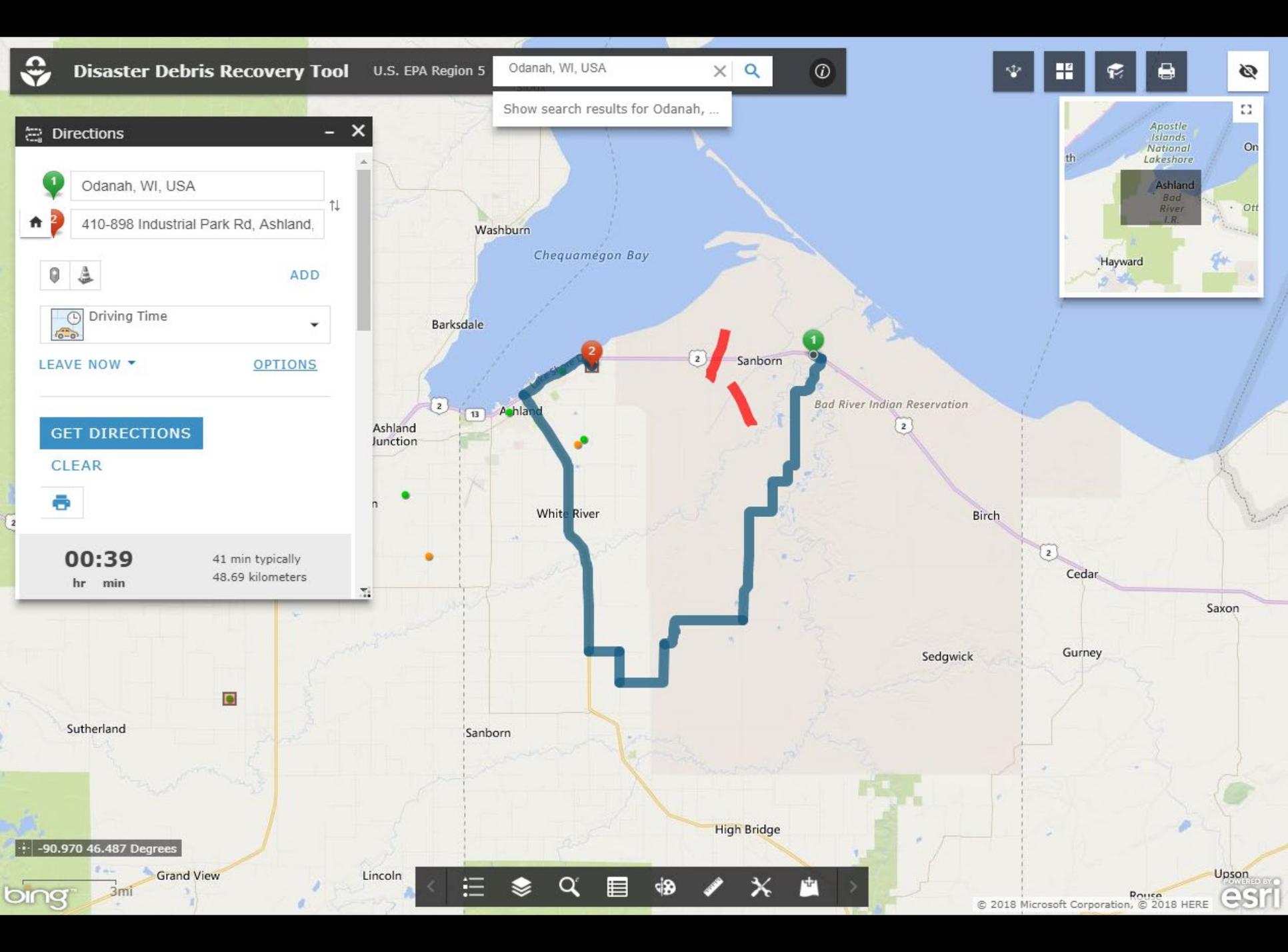
Driving Time

LEAVE NOW [Dropdown] [OPTIONS](#)

GET DIRECTIONS

CLEAR

00:39 41 min typically
hr min 48.69 kilometers

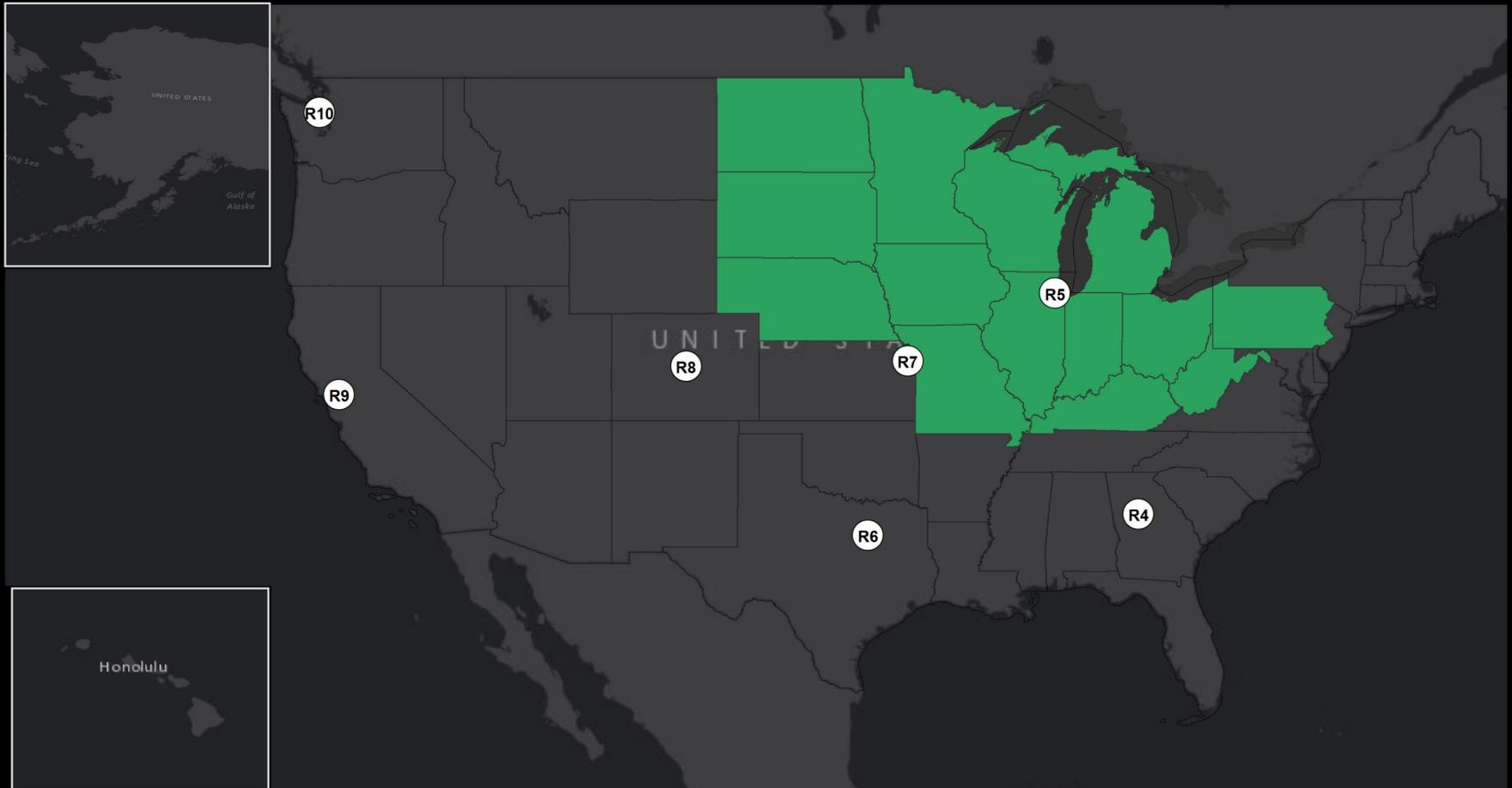


-90.970 46.487 Degrees



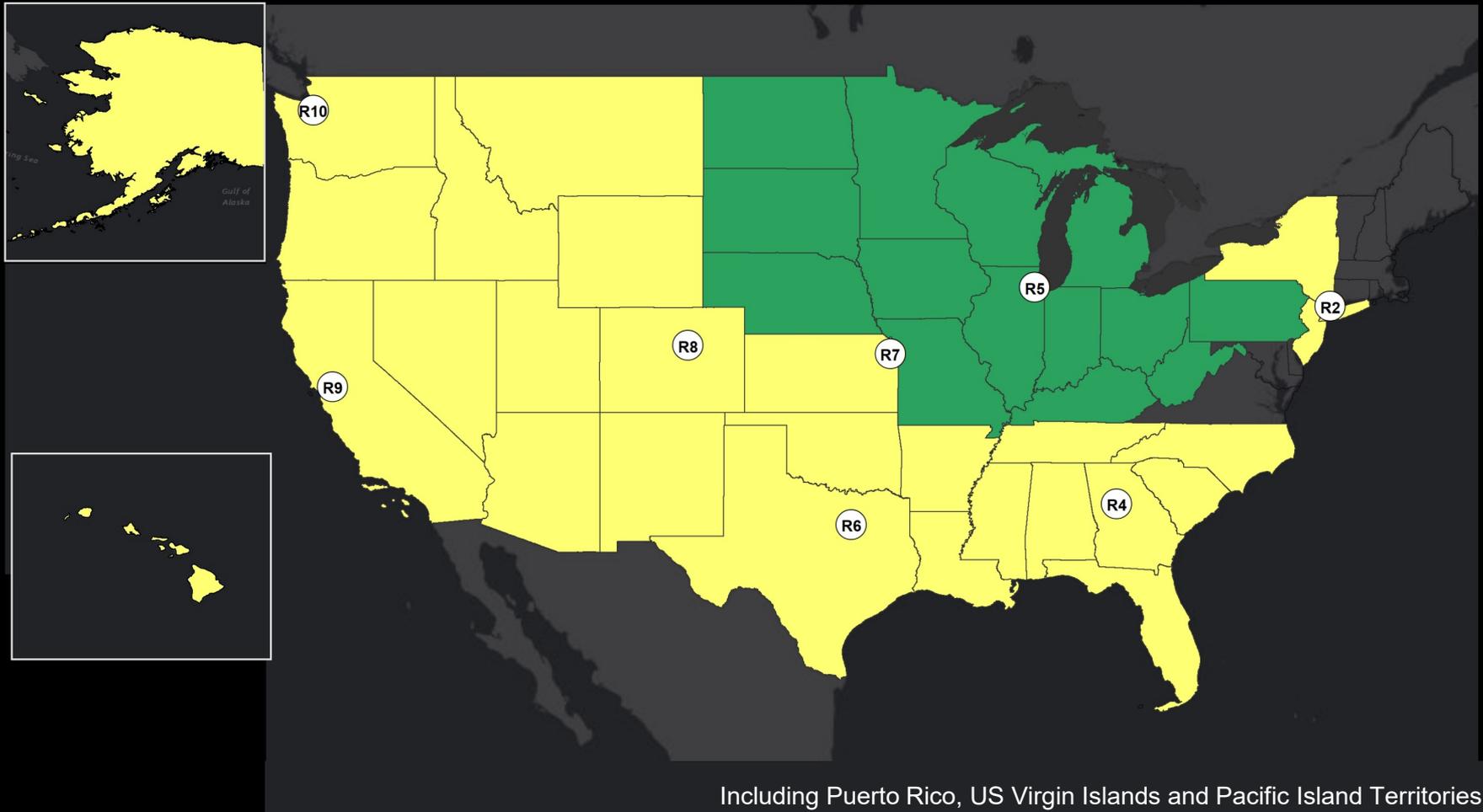
US EPA Disaster Debris Recovery Tool Data Collection as of April 2018

Original DDRT



US EPA Disaster Debris Recovery Tool Data Collection as of December 2018

Original DDRT
2018-2019 Expansion





EPA Disaster Debris Recovery Tool

<https://www.epa.gov/large-scale-residential-demolition/disaster-debris-recovery-tool>

For more information:

Camille Lukey (R5 co-lead) lukey.camille@epa.gov

Lucy Stanfield (R5 co-lead) stanfield.lucy@epa.gov

Monte Fronk (Mille Lacs) monte.fronk@millelacsband.com

Brandon Pursel (R5 CWMT) pursel.brandon@epa.gov