

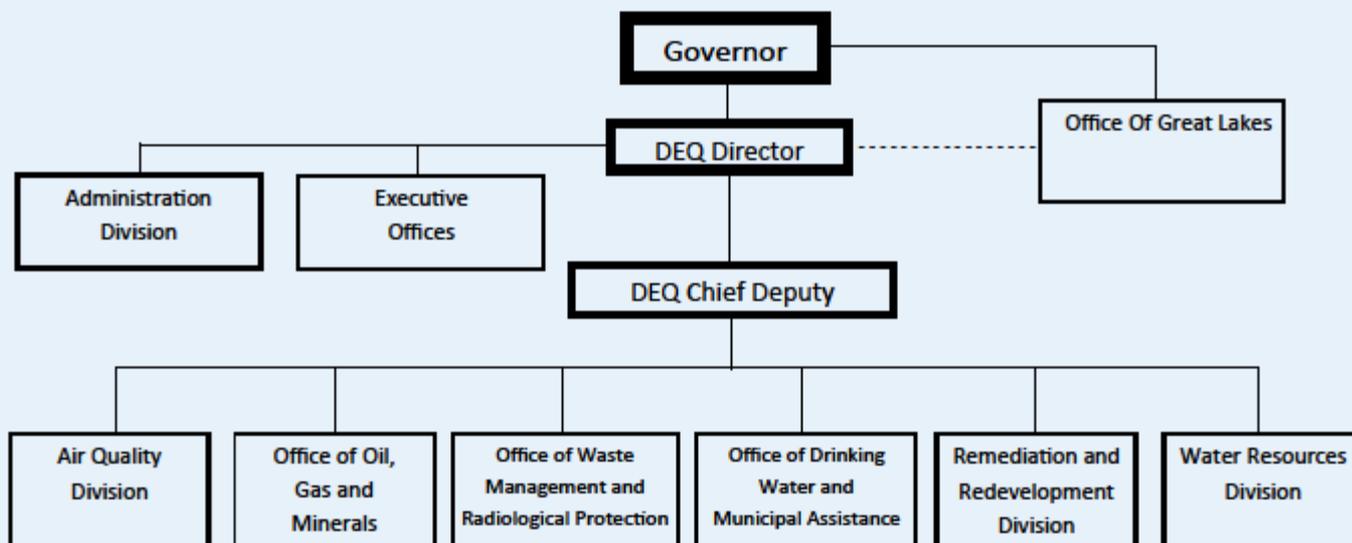
Remediation and Redevelopment Division

Kathy Shirey

Field Operations Chief, West

517-420-2503

shireyk@michigan.gov



K.I. Sawyer AFB

Landfill 2 July, 1999



RRD Vision

- **Vision**

Create a future where Michigan's contaminated properties are reliably managed, revitalized, and the environment is protected.

- **Mission**

The Remediation and Redevelopment Division will work toward our goals through compliance assistance, partnerships, collaboration, and enforcement.

What Do We Do?

- Part 213, Leaking Underground Storage Tanks
- Part 201, Environmental Remediation
- Superfund (federal CERCLA)
- Brownfield Grants and Loans

Michigan Department of Environmental Quality Remediation and Redevelopment Division



Leaking UST Releases



Environmental Contamination Sites

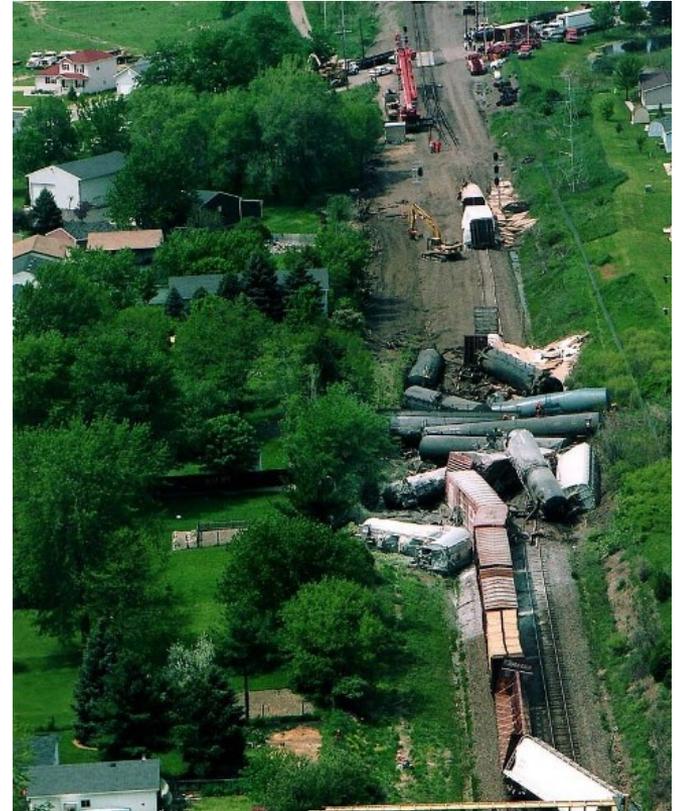


Brownfield Grants & Loans



Superfund

RRD Incident Management



Partners in Economic Development



TBA Credit Union,
Traverse City



The Garage
Restaurant,
Northville

Part 201

- Criteria in Administrative Rules
- Defines a *facility*:

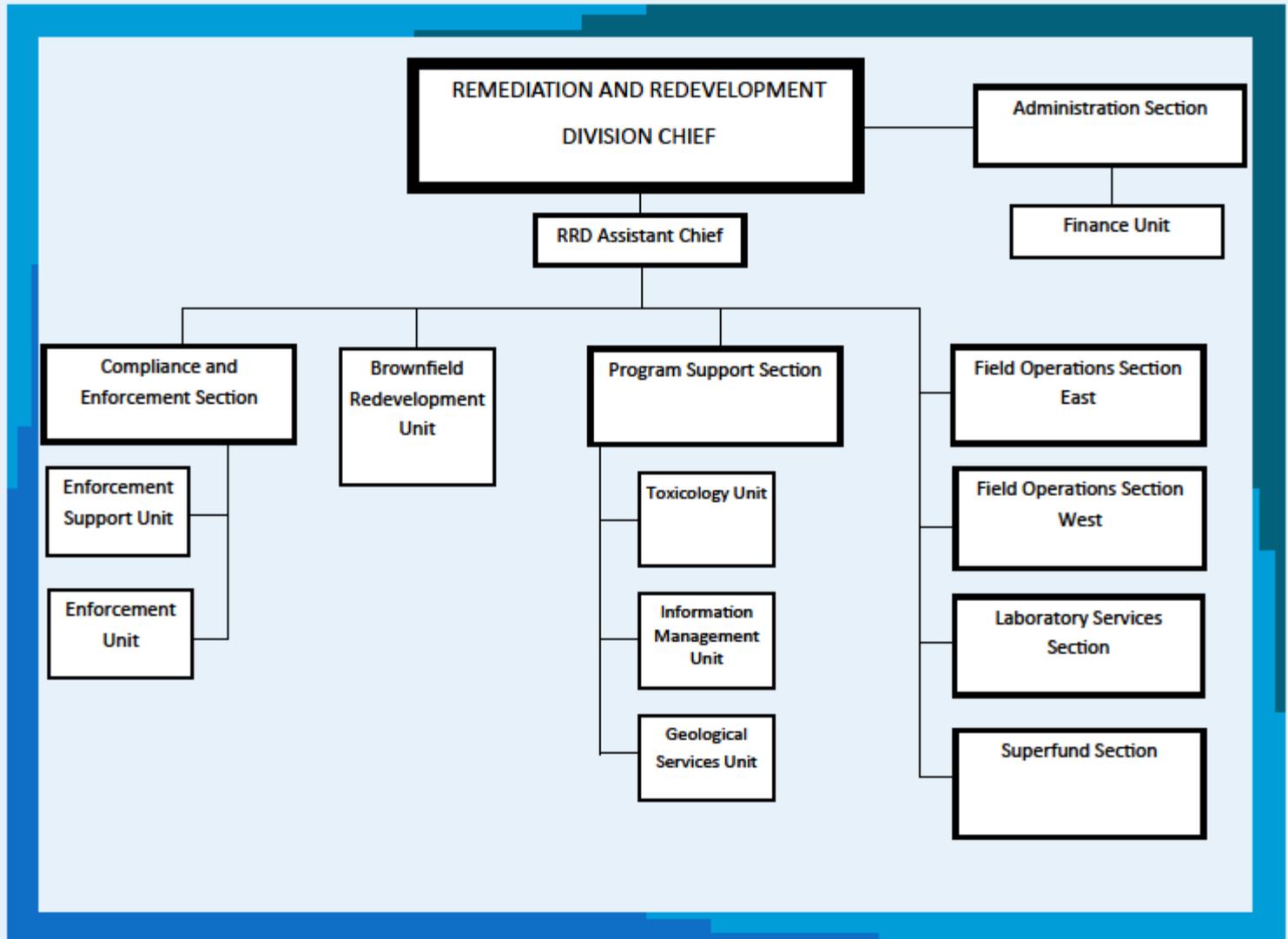
“Any area...where a hazardous substance in excess of concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located”

Part 213

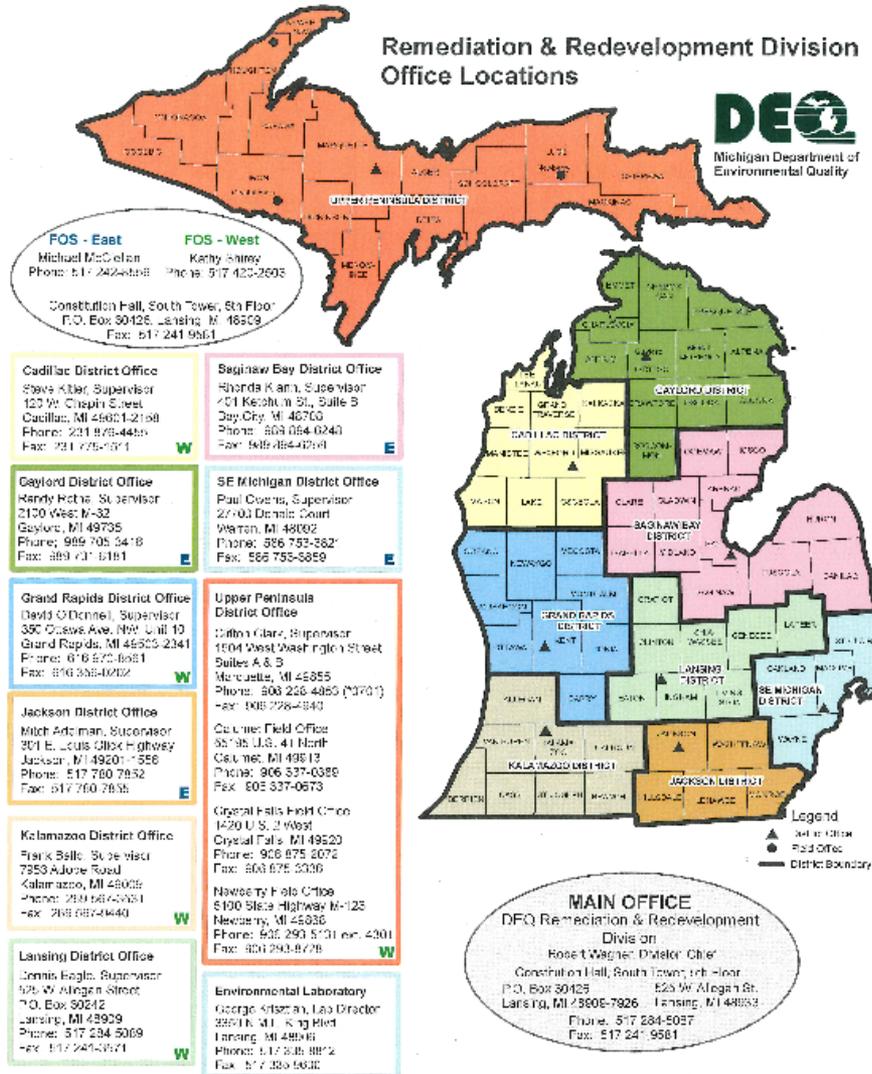
- *Property:*

“real estate that is contaminated by a release from an underground storage tank system”
- *Release:*

“any spilling, leaking, emitting, discharging, escaping, or leaching from an underground storage tank system into the groundwater, surface water, or subsurface soils”



Remediation & Redevelopment Division Office Locations



FOS - East
Michael McClellan
Phone: 517 241-2424

FOS - West
Kathy Rainey
Phone: 517 223-2603

Constitution Hall, South Tower, 8th Floor
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Fax: 517 241 9561

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Benignaw Bay District Office
Rhonda Kama, Supervisor
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Warren, MI 48092
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Fax: 906 228-4840

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Crystal Falls Field Office
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Lansing District Office
Dennis Eagle, Supervisor
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Lansing, MI 48909
Phone: 517 234 5069
Fax: 517 241-9561

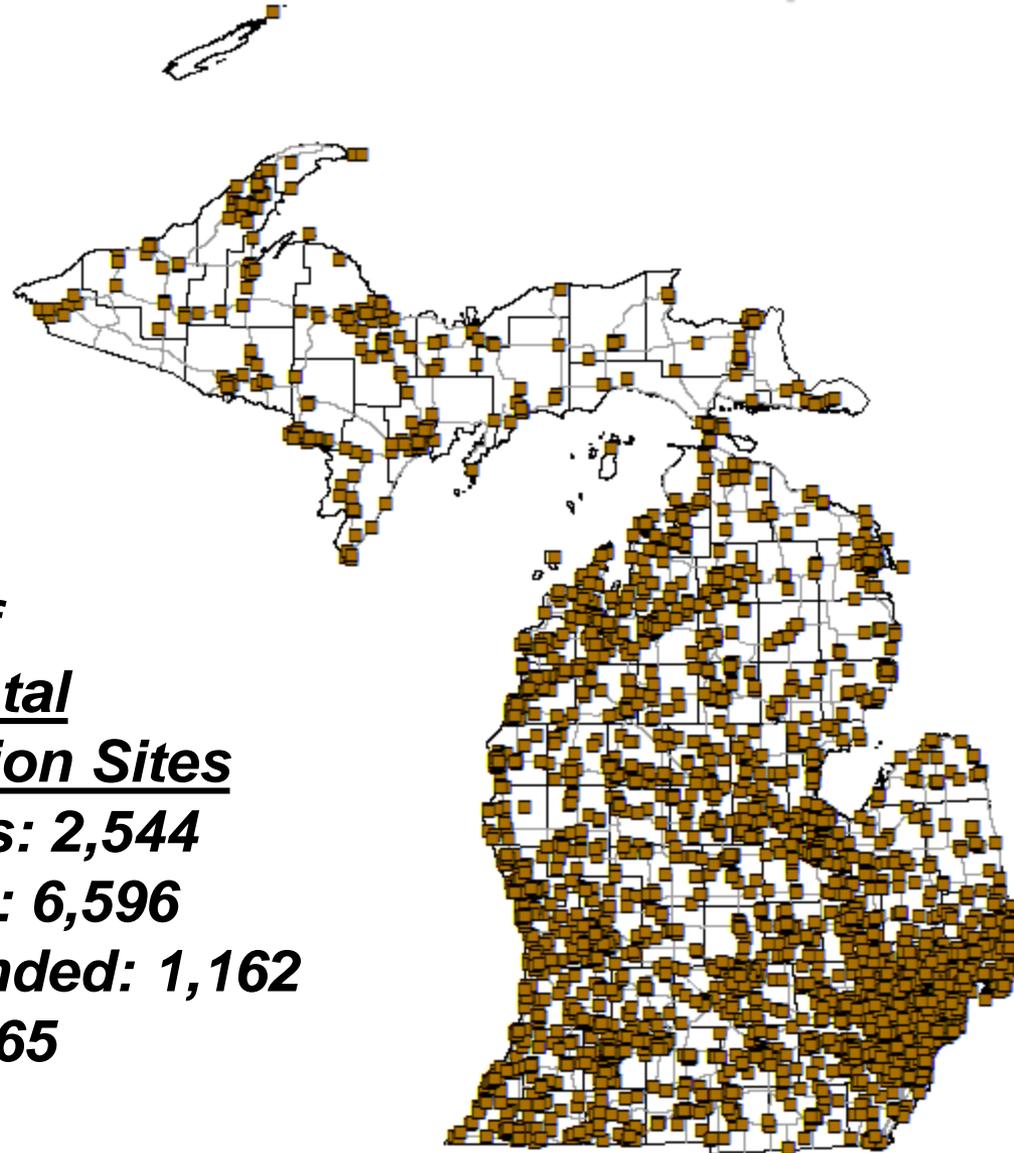
Newsary Field Office
5100 Stearns Highway M-125
Newsary, MI 49336
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Fax: 616 293 6776

Environmental Laboratory
George Arseton, Lab Director
3330 N. M. 1 King Blvd
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MAIN OFFICE
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Michigan's Environmental Contamination Open Sites



Summary of Environmental Contamination Sites

Closed Sites: 2,544

Active Sites: 6,596

Publicly Funded: 1,162

Superfund: 65

How We Do It?

- We work with partners from the private sector



Linden Road Landfill



Soccer Field Construction



Huron River after Site Restoration (2014)



How Do We Do It?

Work with Current Owners and Operators

- *Liability Protections*
- *“Due Care”*
- *Section 20107a or 21304c*



How Do We Do It?

Public funding sources

- Bonds, 1988 and 1998
- Refined Petroleum Fund
- Bottle Bill
- SWQIF
- Federal Funds

Monitor Well Drilling



Well Sampling



Pore Space Sampling



Sub-slab Soil Gas Probe Installation

Willow Run Example



Leaking Underground Storage Tank



Triage Program

Refined Petroleum Funds

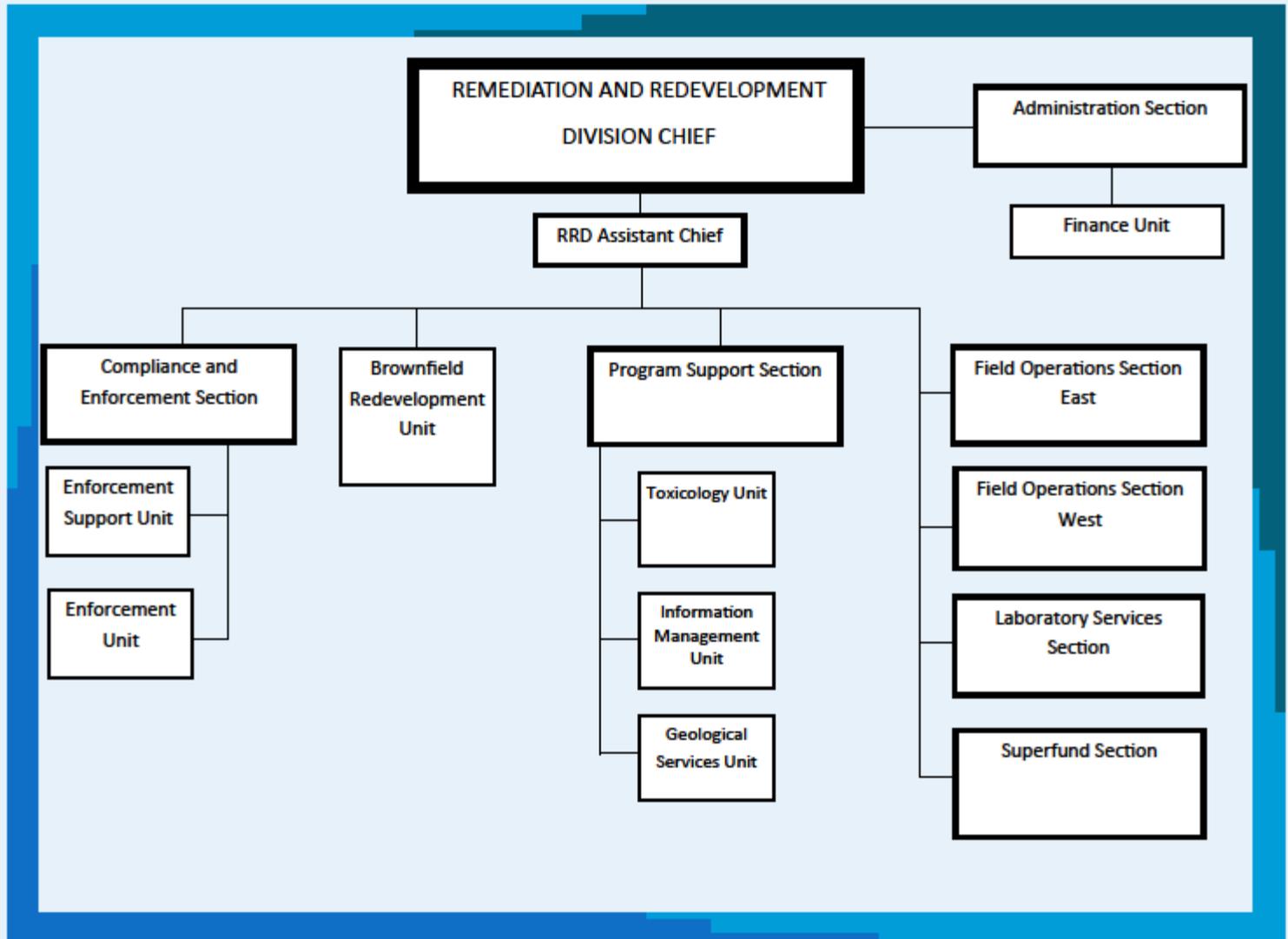
- *739 Evaluations since 2013*
- *Closed 309 sites*
- *Identified 66 high risk sites*

Risk Assessment

- Pathway Evaluations
- Direct Contact
- Drinking Water
- Surface Water
- Vapor Intrusion

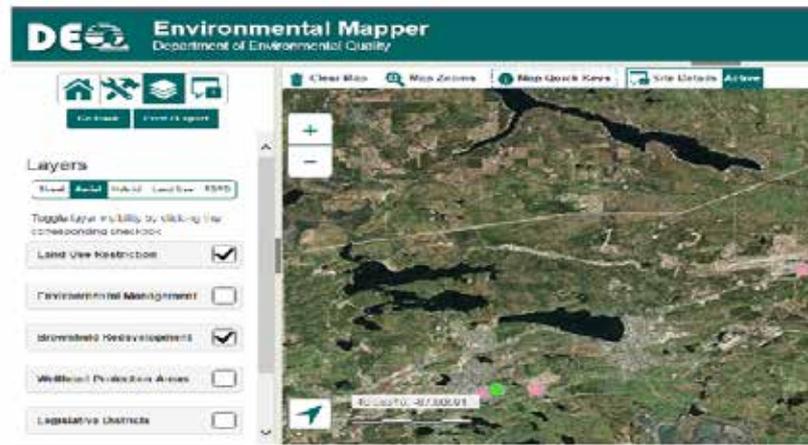
Peer Review Process





Environmental Mapper

- <http://web1.mcgi.state.mi.us/environmentalmapper/mcgi.aspx>



Current Events

- *Electronic Document Management*
- *New Database*
- *Criteria Rules Promulgation*

To Sum It Up

*RRD wants to work with you to use
your property safely and wisely;
please call us whenever we can be of
assistance!*

Thank You!

Any Questions?

Kathy Shirey

shireyk@michigan.gov

517-420-2503