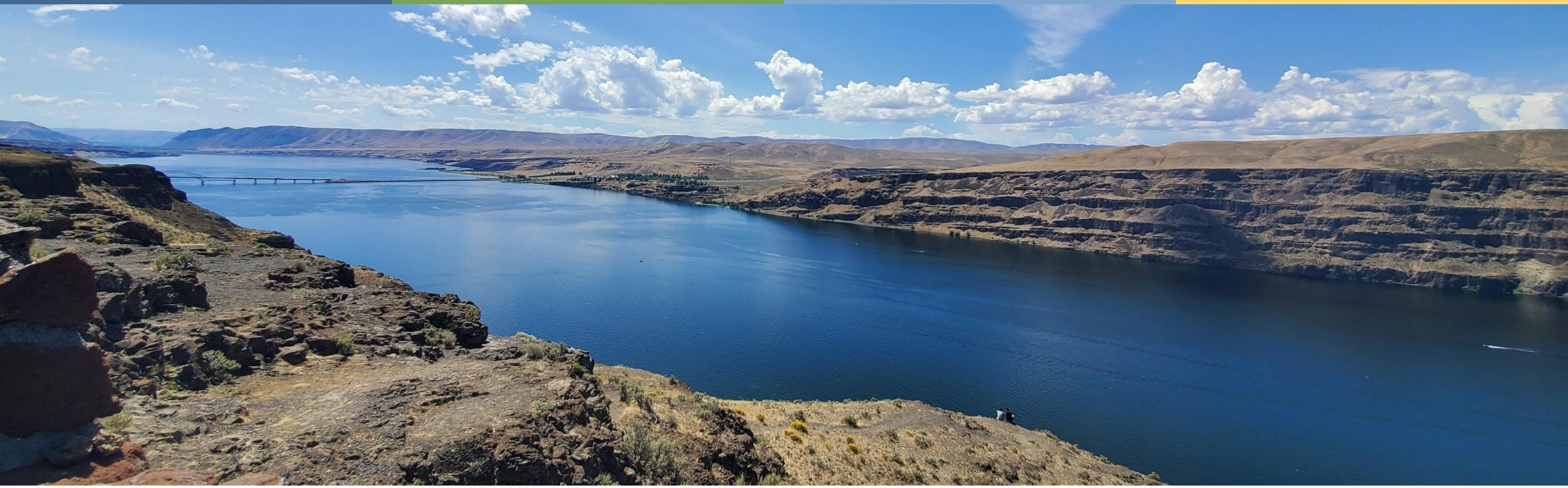


Ecology's Online Resources

Mahbub Alam, PhD, PE

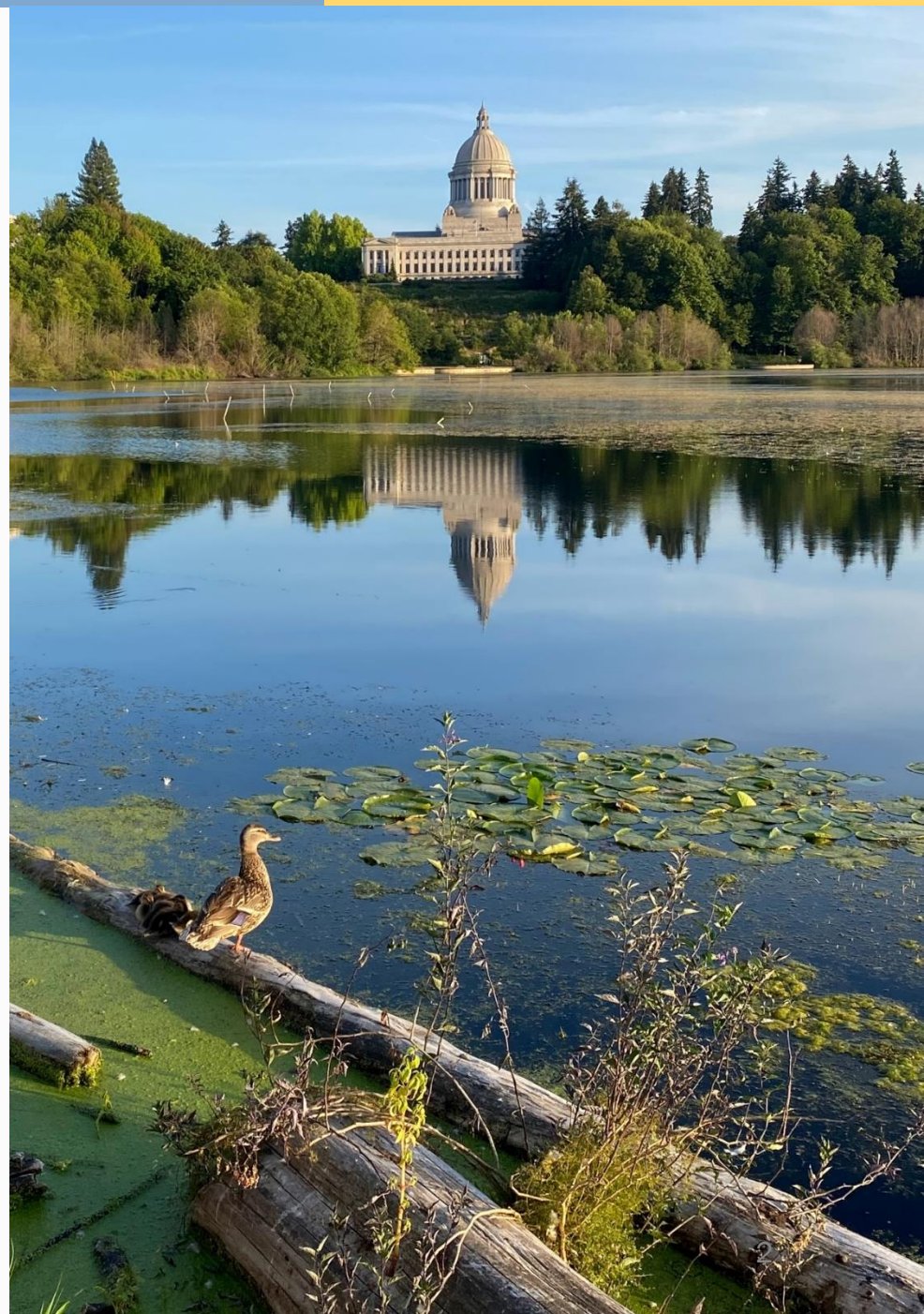
December 11, 2024

Who we are

We are leaders in **environmental protection and restoration.**

Established in 1970, we were the **first environmental agency in the U.S.** and preceded the EPA.

We invest in communities through grants and loans, technical assistance, and outreach & education.



Where we're located

Ecology Environmental Programs

1. Air Quality
2. Climate Pollution Reduction
3. Environmental Assessment Program
4. Hazardous Waste & Toxics Reduction
5. Nuclear Waste Program
6. Shorelands & Environmental Assistance
7. Solid Waste Management
8. Spill Prevention, Preparedness & Response
9. Toxics Cleanup Program
10. Water Quality
11. Water Resources

Ecology's Online Portal

- From Dept of Ecology Homepage https://ecology.wa.gov/
- Click on "Online tools"
- Or, search web by "Ecology online tools"

DEPARTMENT OF ECOLOGY State of Washington

Regulations & Permits | Research & Data | Blog | Contact Us

Home | Air & Climate | Water & Shorelines | Waste & Toxics | Spills & Cleanup

Online tools & publications > Online tools & databases

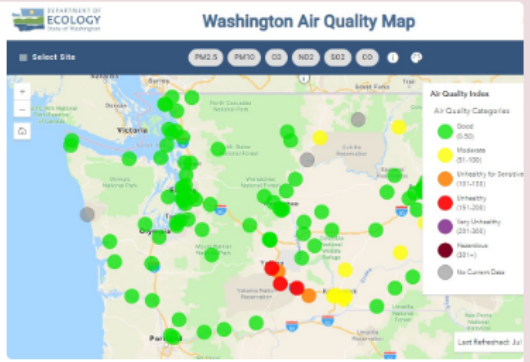
Online tools & publications

- Online tools & databases
- Publications & forms
- Open data plan
- E-submission exempt forms

Online tools & databases

This is the gateway to Ecology's many web-accessible databases and tools. These tools help you conduct business with us, and give you access to a wealth of scientific data and information.

Featured online tool



Washington Air Quality Monitoring

Our updated map helps you track air pollution and take steps to protect your health. You can use the layers feature to view the smoke forecast.

The map draws accurate, real-time air quality data from our network of 80+ monitoring stations. It displays a color-coded guide to pollution levels based on the national Air Quality Index (AQI). It's also easier now to use on smartphones and tablets.

Secure Access Washington (SAW) +

General look-up tools | Regulatory online tools & databases | Scientific data | Mobile apps

General Lookup Tools

- **Air & Climate**
  - Air monitoring network – current air quality conditions from WA air monitoring stations.
- **Water & Shorelines**
  - Flood hazard maps – Maps help determine the flood risk to your home or business.
  - Lake data map – Water quality, fisheries, and plants data, including toxic algae, from WA state lakes.
  - Public beaches (Coastal Atlas) – maps and information about public beaches in WA.
  - Shoreline aerial photos – current and historical photos of coastal, sound and inland shorelines. Compare photos over years.
  - Swimming beach closures (Coastal Atlas) – maps and information about beach closures in and around Puget Sound and Washington's ocean beaches.
  - Water Quality Atlas – maps and information about the state's lakes, rivers, streams, and estuaries (water quality standards, 303(d) list, permits/outfalls, TMDLs, etc.).
  - Well report viewer – information on the location, ownership, construction details, and lithology of completed wells.

General Lookup Tools

- **Waste & Toxics**
  - High Priority Chemicals Data System – search for chemicals of concerns in children's products (includes data from WA, OR and VT).
  - Recycling services – information on recycling opportunities in your neighborhood.
- **Cleanup & Spills**
  - What's In My Neighborhood – Interactive mapping tool.
  - Cleanup and Tank Search – search by for cleanup sites and underground storage tanks by location, status, contaminant, or other features.
  - Dirt Alert map – shows soil arsenic contamination from the Asarco Tacoma Smelter. Also includes information about other areas of arsenic contamination statewide.
  - Spills map – Interactive map of crude oil equipment, spills, locations and movement by rail, pipeline, in WA.
- **Doing business with Ecology**
  - Ecology Administration of Grants and Loans (EAGL) map – Visual mapping of projects funded by Ecology grants and loans.
  - State Environmental Policy Act (SEPA) Register – SEPA and NEPA documents since 2000 (≈182K)
  - Staff directory – Ecology staff e-mail addresses and phone numbers.
  - Subject referral directory – look up staff by subject or topic.

Regulatory Online Tools (Public)

- **Air Permit Search** – Public access to air permits. Find the final Prevention of Significant Deterioration (PSD) permits and Air Operating Permits (AOP).
- EcoEPay – Ecology accepts online payments for some permits and fees.
- **Facility/Site database** – access information on facilities and sites that Ecology regulates.
- **Hazardous waste facilities in Washington State search tool** – Access records including production of hazardous waste from Washington's dangerous waste reporting tool.
- Plastic producer registration and reporting – includes guidance to help producers comply with the new Postconsumer Recycled Content for Plastic Containers rule (Chapter 173-925 WAC).
- **Polluted waters - 303(d) Listing** – listing of streams, lakes, and estuaries whose beneficial uses are impaired by pollutants (includes both draft and approved listings).
- **Water quality permit databases (PARIS)** – information on water quality permits (inspections, enforcements, DMRs, permit documents) for municipalities, industries, dairies, fish-rearing facilities, stormwater, sand and gravel operations, and aquatic pesticides.
- **Water rights search** – records can be searched by: location, document/record number, name of the person to whom the water right was issued, or name of the claimant, if it is a water right claim.

Secure Tools (Some requires SAW account)

- Advance Notice of Oil Transfer – use this tool to submit advance notice of transfer (ANT) by web-based form to satisfy both Ecology and USCG reporting requirements.
- Children's Safe Products Act reporting database – login for manufacturers to submit required data
- E-Cycle electronic product recycling collector registration – register as a collector to participate in E-cycle Washington.
- Solid waste facility forms – access to online reporting, as well as solid waste reporting forms, facility checklists, permit deferral applications and notifications.
- TurboWaste – electronic reporting system used to submit Dangerous Waste Annual Reports and updated notifications.
- **Water quality permitting portal (WQWebPortal)** – submit discharge monitoring reports (DMR) online (facilities with an NPDES or State Waste Discharge permit).
- Water use reporting – review your metering account and submit your metering data.
- Well construction – Variety of online tools for well drillers to help with licensing and reporting.
- Well Report Gateway – login to submit a well report to our database.

Tools for Scientific Data

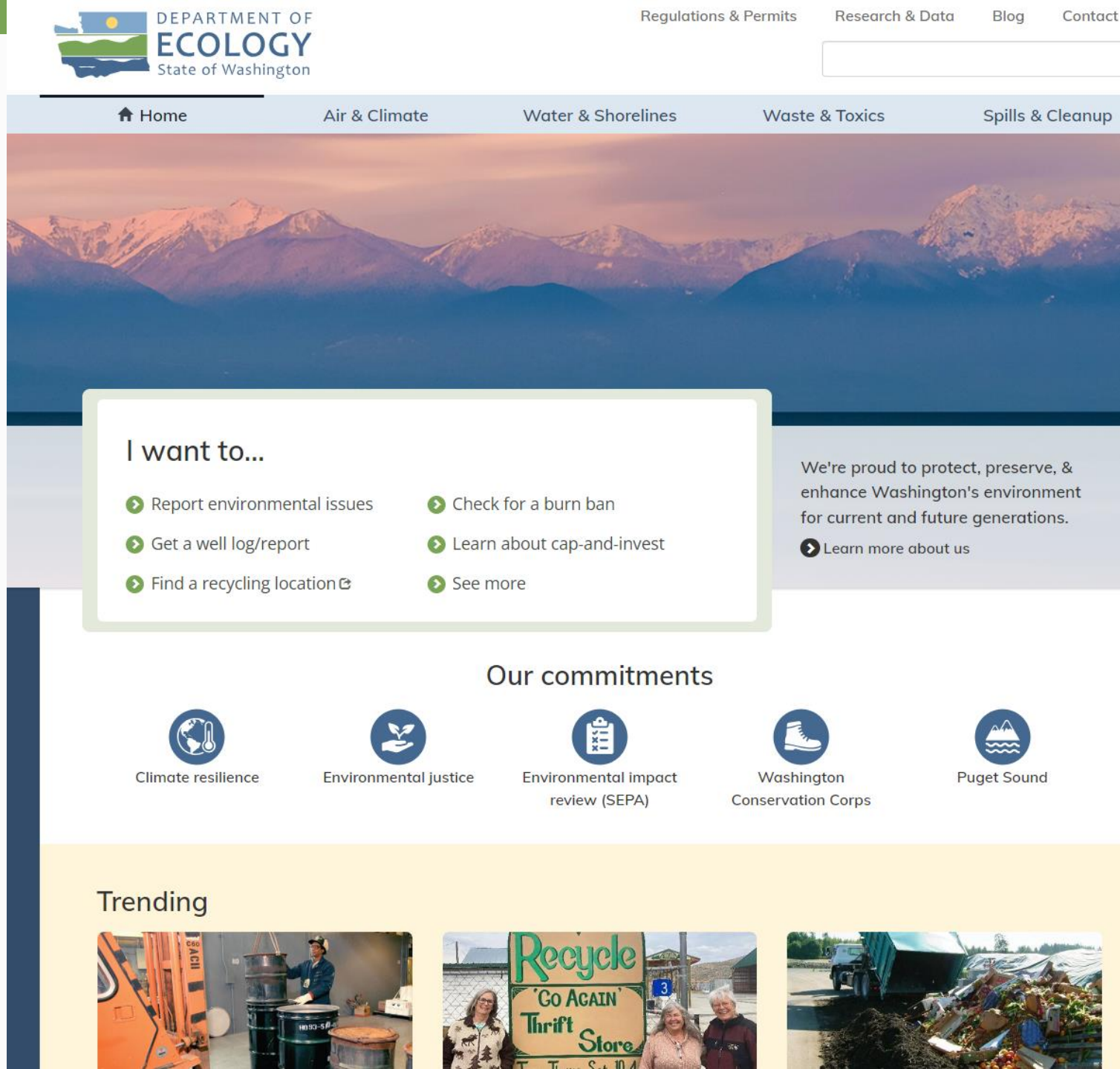
- Air quality monitoring — View and download real-time air quality data (AQI, PM10, PM2.5, O_3, NO_2, SO_2, CO). Also has smoke forecast and meteorology information.
- Environmental Information Management (EIM) — access discrete and time-series environmental data for air, water, soil, sediment, aquatic animals, and plants. View or download long-term marine water-quality and sediment data including toxicity data.
- Geographic Information Systems (GIS) data — download ESRI file geodatabases, view or download GIS standard maps in PDF format (e.g., tribal reservations).
- Lake environmental data — Washington state lake data includes: aquatic plants, toxic algae, herbicide use, and fish management.
- Consumer Products Database — Access the data from testing of various consumer products.
- Freshwater DataStream: Flow Monitoring Network — Map-based application for continuous freshwater data (e.g., streamflow, water quality, rainfall) on WA rivers and streams.

Useful Resources for Contaminated Site Cleanup under Model Toxics Control Act (MTCA)

- **Cleanup and Tank Search:** https://apps.ecology.wa.gov/cleanupsearch/
- **What's In My Neighborhood:** https://apps.ecology.wa.gov/neighborhood/?lat=47.500000&lon=-121.000000&zoom=7&radius=false
- **Cleanup Levels and Risk Calculations (CLARC):** https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC
- **Ecology Policy and Guidance:** https://ecology.wa.gov/Regulations-Permits/Plans-policies/Toxics-cleanup-policies.
- **Approved sampling and analysis procedures:** https://ecology.wa.gov/regulations-permits/guidance-technical-assistance/contamination-clean-up-tools/sampling-and-analysis-procedures

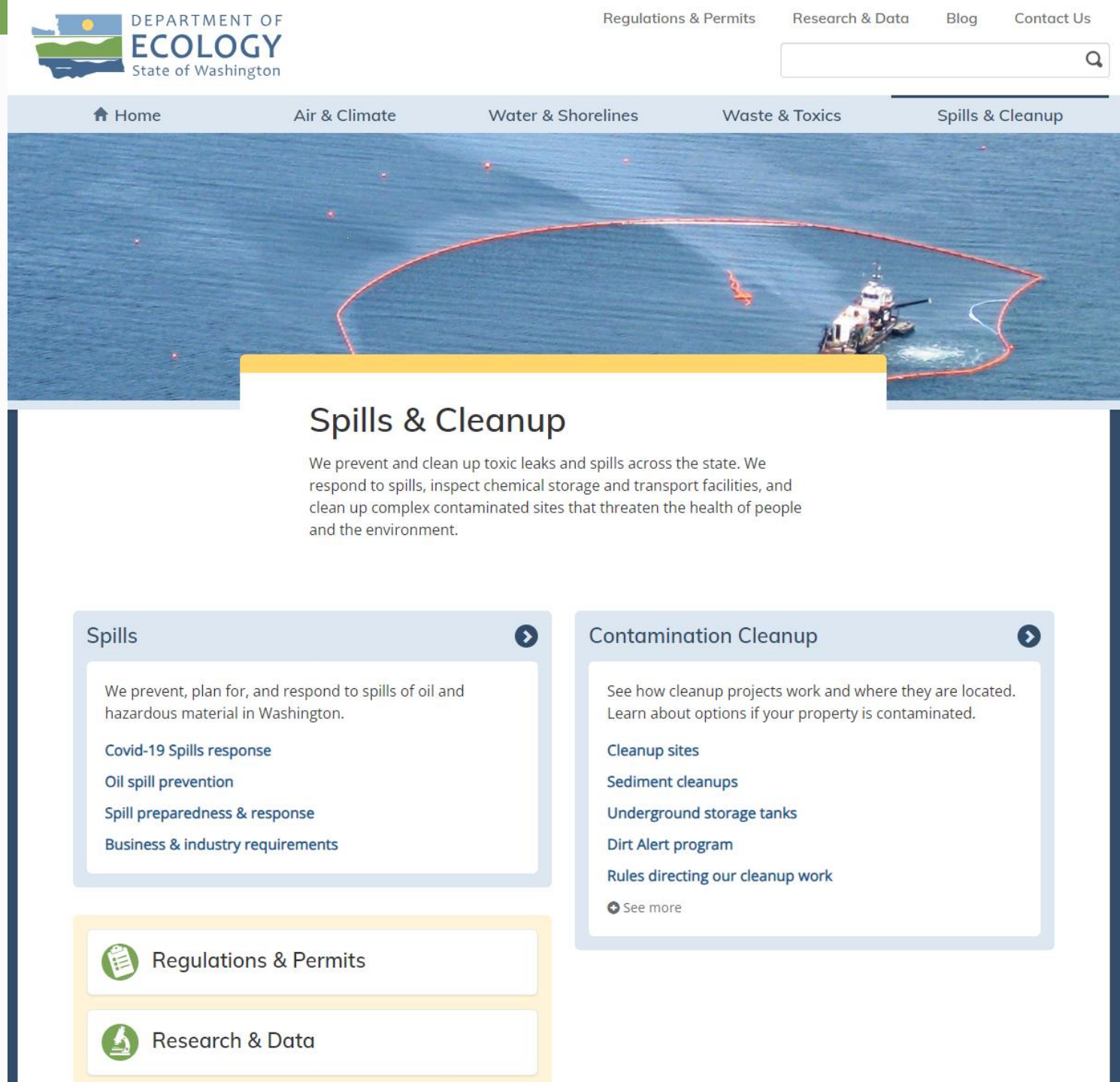
Ecology Homepage

Click spills and cleanup



Spills and Cleanup Webpage

- Click on cleanup sites



Options for Finding Sites

DEPARTMENT OF ECOLOGY State of Washington

DEPARTMENT OF ECOLOGY State of Washington

Regulations & Permits | Research & Data | Blog | Contact Us | Search

Home | Air & Climate | Water & Shorelines | Waste & Toxics | Spills & Cleanup

Contamination cleanup

- **Cleanup sites**
- Boeing Auburn Fabrication site
- Bothell
- Dangerous waste facility cleanup
- Eastern Washington
- Everett Smelter
- Former orchard lands
- Lower Duwamish Waterway

Cleanup sites

In Washington state, we've identified over 13,000 contaminated sites in need of cleanup. Over 7,000 of those sites have been cleaned up, and 200 to 300 new sites are reported every year.

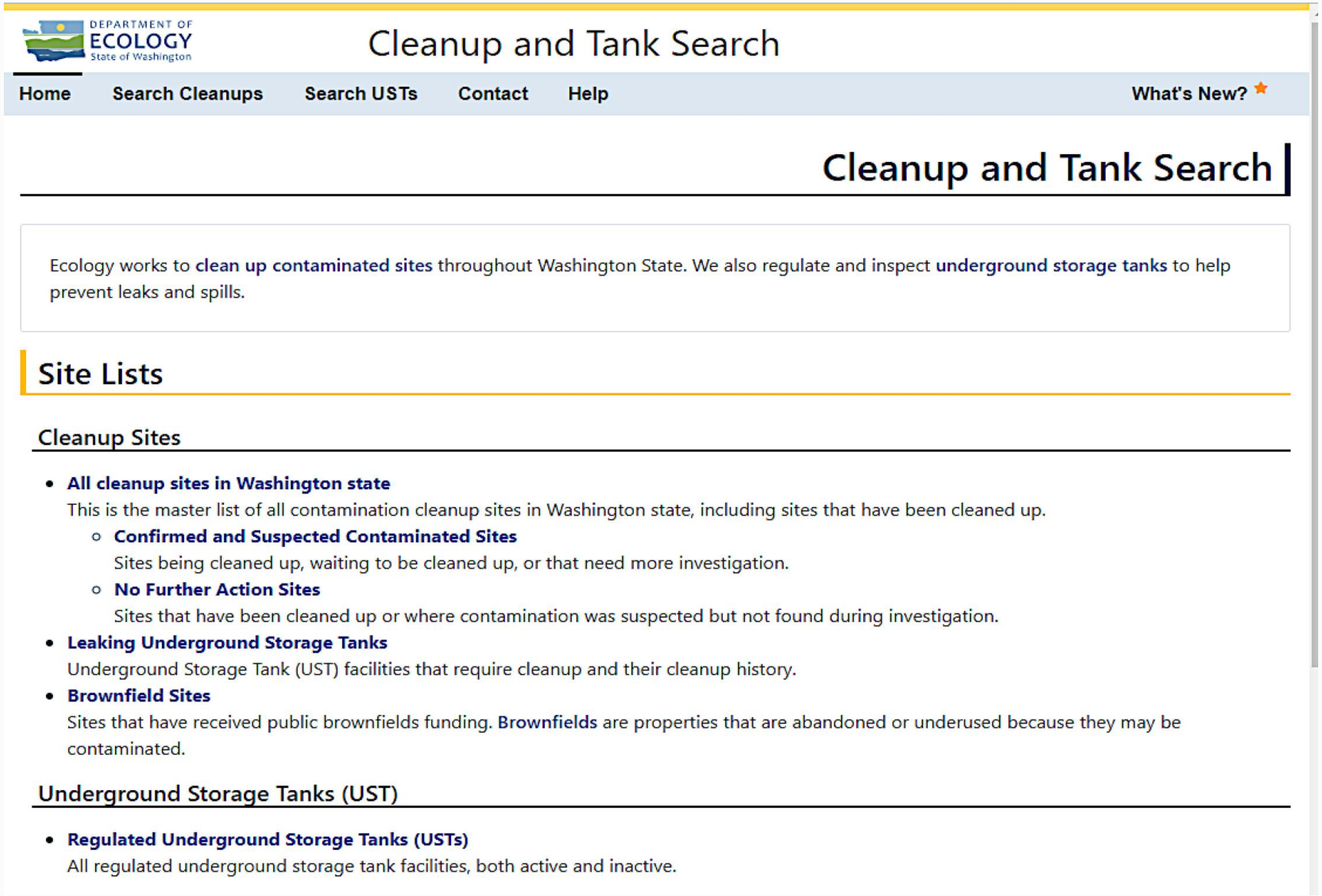
Find cleanup sites

What's in My Neighborhood

Cleanup and Tank Search

What's in My Neighborhood is a map-based search tool. Cleanup and Tank Search is text-based. Both let you filter sites by location, contaminant, cleanup status, and more. These tools also show completed cleanups.

Contaminated Sites Database



DEPARTMENT OF ECOLOGY
State of Washington

Cleanup and Tank Search

Home | Search Cleanups | Search USTs | Contact | Help

All Cleanup Sites in Washington State

Details about contaminated sites around Washington State.

Filter Table | Export Table | Map Results

Site Name | CSID | FSID | Address | City or Zip | County

Region | Site Status | Contaminant | Periodic Review Required | Institutional Control | Current VCP

Clear

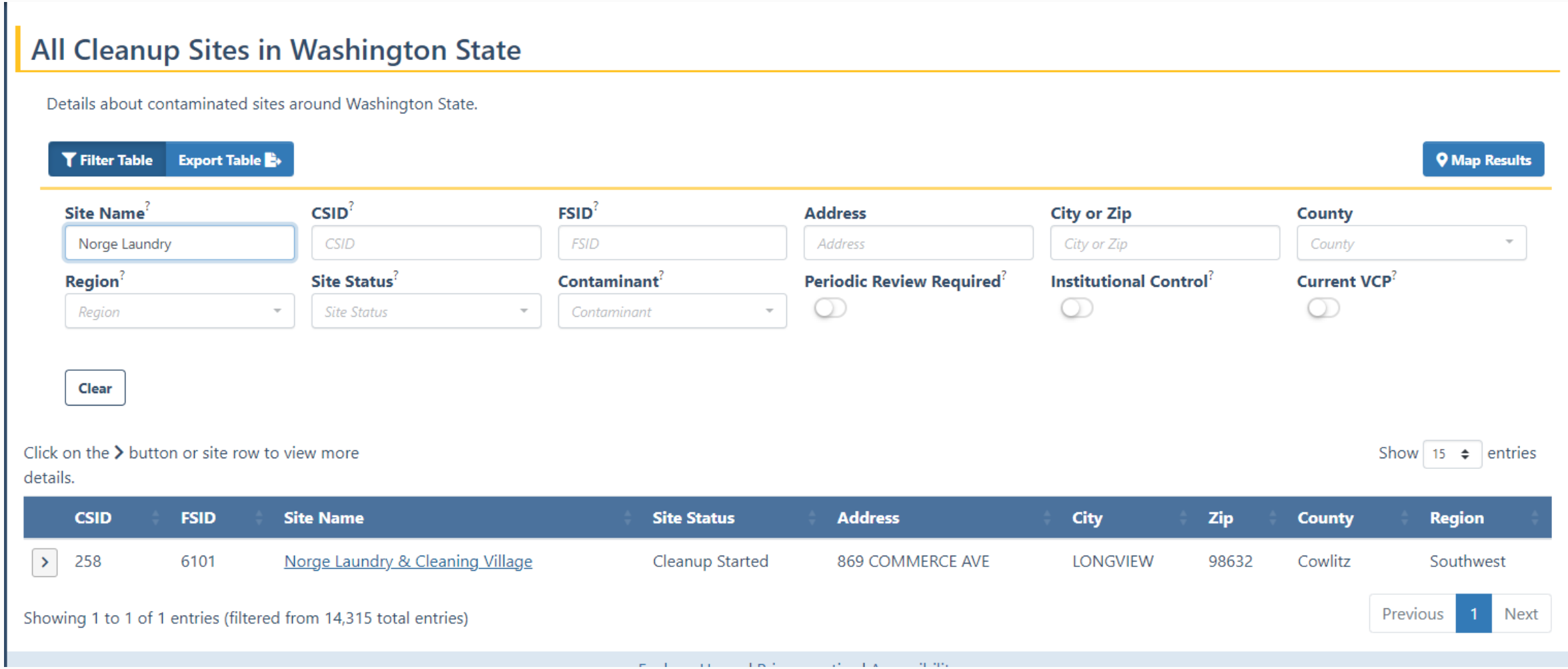
Click on the > button or site row to view more details.

Show 15 entries

	CSID	FSID	Site Name	Site Status	Address	City	Zip	County	Region
>	359	7885894	Melgren Dump	Awaiting Cleanup	1591 W BIRDWELL RD	OTHELLO	99344	Adams	Eastern
>	1599	565	Puregro Ritzville	No Further Action	1204 1ST ST	RITZVILLE	99169	Adams	Eastern
>	1600	567	Washtucna Fertilizer Plant	No Further Action	HWY 261 & NORTH ST JUNCTION	WASHTUCNA	99371	Adams	Eastern
>	1688	559	CMC Real Estate Othello	Cleanup Started	CUNNINGHAM ST	OTHELLO	99344	Adams	Eastern
>	1730	560	WWT Batum Facility	Awaiting Cleanup	BATUM RD 3.25 S BATUM	BATUM	99169	Adams	Eastern

Options for Finding Sites

DEPARTMENT OF ECOLOGY
State of Washington



All Cleanup Sites in Washington State

Details about contaminated sites around Washington State.

Filter Table | Export Table | Map Results

Site Name[?] Norge Laundry
CSID[?] CSID
FSID[?] FSID
Address Address
City or Zip City or Zip
County County
Region[?] Region
Site Status[?] Site Status
Contaminant[?] Contaminant
Periodic Review Required[?]
Institutional Control[?]
Current VCP[?]

Clear

Click on the > button or site row to view more details.

Show 15 entries

CSID	FSID	Site Name	Site Status	Address	City	Zip	County	Region
258	6101	Norge Laundry & Cleaning Village	Cleanup Started	869 COMMERCE AVE	LONGVIEW	98632	Cowlitz	Southwest

Showing 1 to 1 of 1 entries (filtered from 14,315 total entries)

Previous 1 Next

Site Website

Download site report

View site documents

View contaminants

Norge Laundry & Cleaning Village

Longview, Cowlitz County

Facility Site ID: 6101

Cleanup Site ID: 258

Site Status

Cleanup Started

Site Details

Download Site Report

View documents 32

View contaminants 3

Contacts

Southwest Regional Office
360-407-6300

More about cleanup

- Cleanup comment periods and events
- Terms and acronyms
- The cleanup process
- Contaminated sites in Washington

This site has confirmed or suspected contamination that could potentially harm people and the environment. It is in the state cleanup process under the Model Toxics Control Act.

See the Site Details report at left or the documents below to learn more about this site.

Ecology works to clean up contaminated properties throughout the state. Cleanups are construction projects that remove, treat, or contain potentially harmful substances.

Voluntary Cleanup Program

This site is in our Voluntary Cleanup Program, which provides technical help to owners of contaminated sites.

Voluntary Cleanup Program customers pay fees to cover our costs for technical help and reviewing cleanup reports. Sites in this program must meet the same cleanup standards as sites Ecology manages under legal orders.

Documents 32

Places to see print documents

Southwest Regional Office
300 Desmond Dr SE
Lacey, 98503-1274
360-407-6365

Please schedule an appointment to view print documents at this location.

Contaminants 3

- Available site documents for Norge Laundry

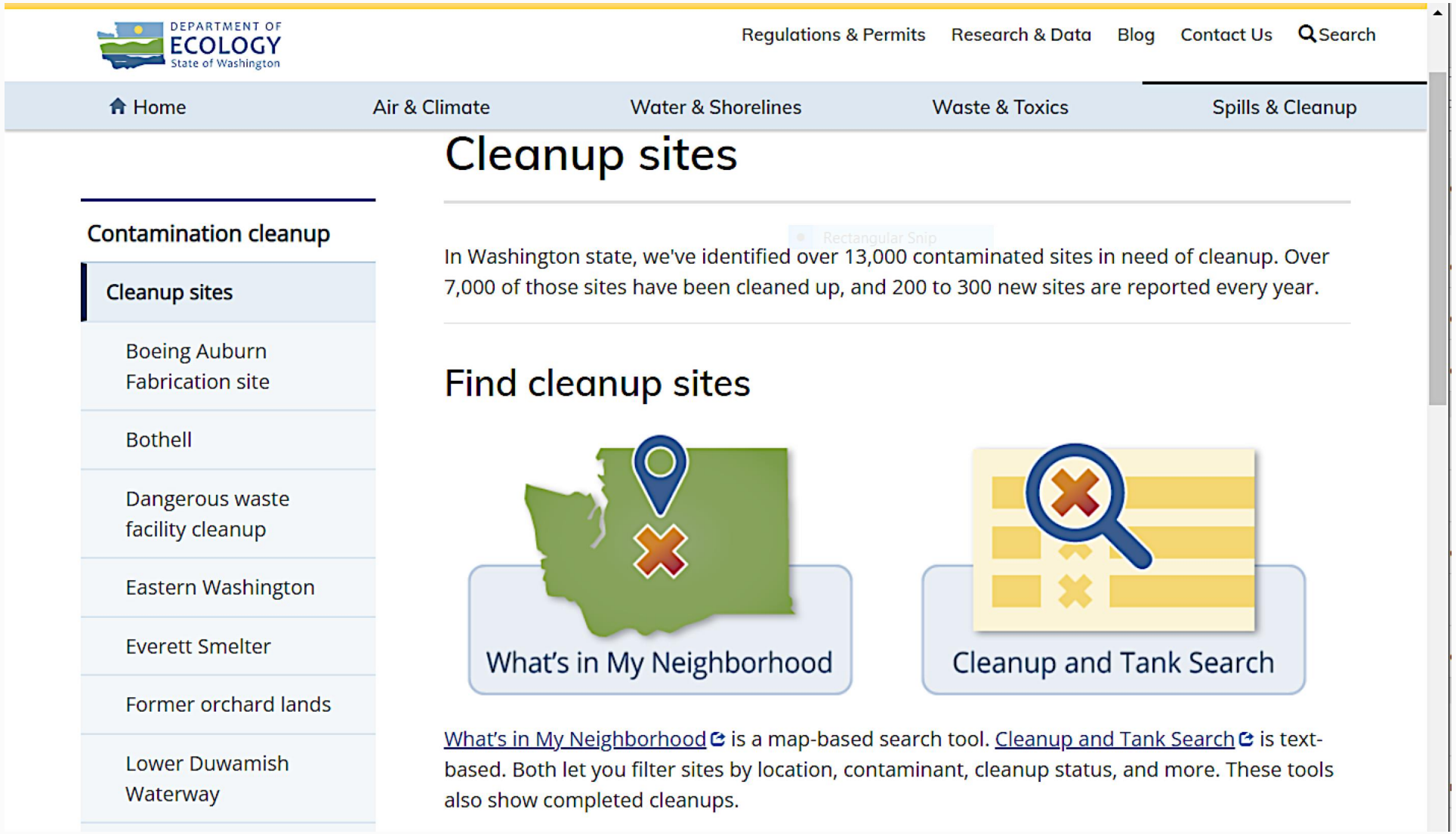
Documents 32

Places to see print documents

Technical Reports 21

Document Title	Document Date	Document Type
Underground Injection Control Conditional Rule Authorization	9/27/2023	Site Specific Administrative Document - other (Administrative correspondence)
Remedial Injection Design Report	9/11/2023	Scope Of Work
2022 Annual Monitoring Report	3/24/2023	Groundwater Monitoring Report
Dewatering Discharge Monitoring Memo	1/20/2023	Progress Report
Vapor Intrusion Memo - May 2022	9/30/2022	Site Specific Technical Document - other
Dewatering System Water Quality Memo May 2022	9/30/2022	Site Specific Technical Document - other
2021 Dewatering Discharge Water Quality Memo Former Norge Laundry	2/9/2022	Site Specific Technical Document - other
Pilot Test Work Plan	7/21/2021	Scope Of Work
Norge Laundry & Cleaning Village - Feasibility Study Report	6/15/2021	Feasibility Study
Remedial Investigation Report - Former Norge Laundry	10/22/2019	Remedial Investigation Report

Map Options for Finding Sites



DEPARTMENT OF ECOLOGY
State of Washington

What's in My Neighborhood: Toxics Cleanup

Home | Filters | Help

Address, Site, or ID

Radius On

Search radius: 1 miles

Search Distance

1

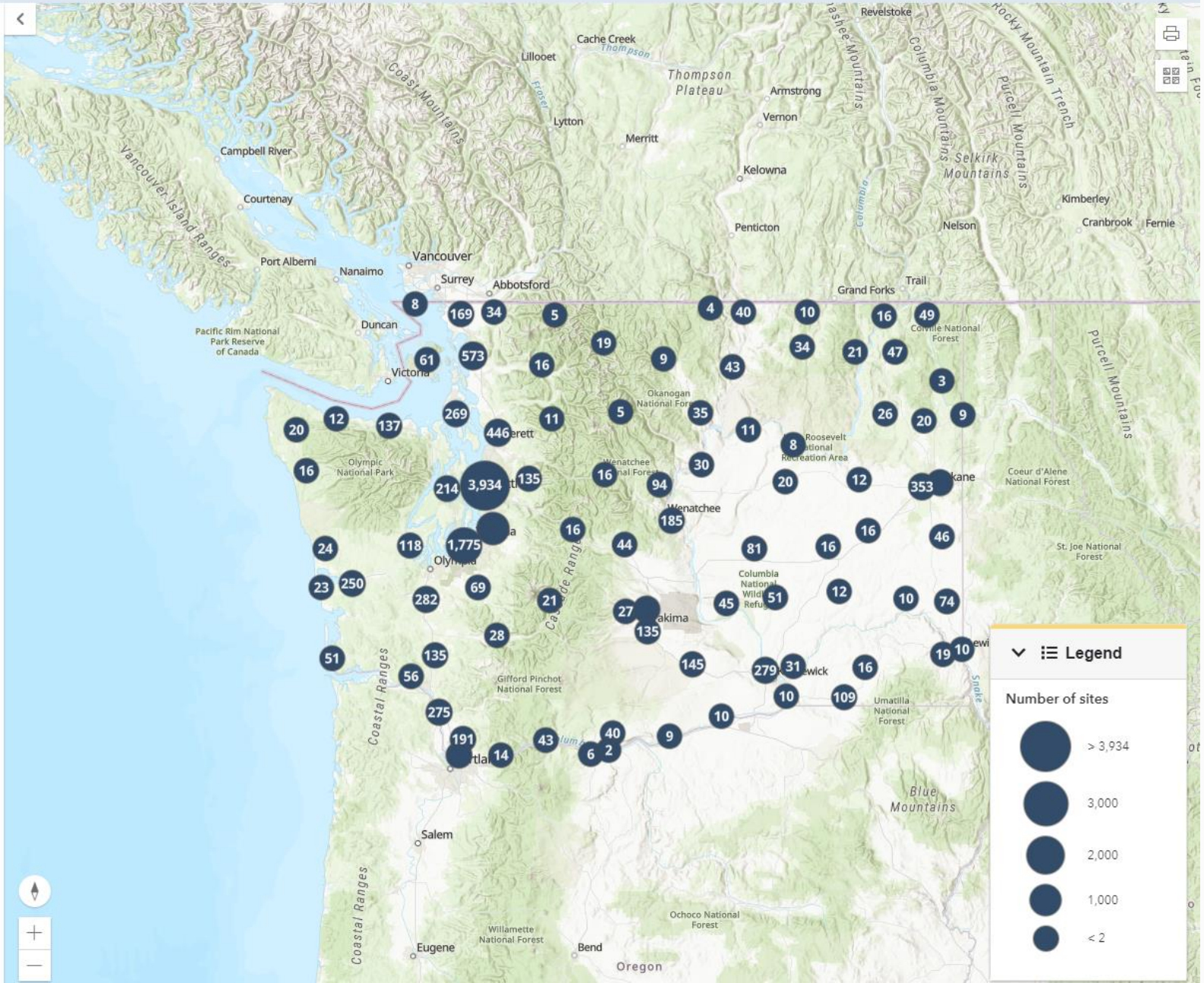
Distance Unit

Mile(s)

Cleanup sites in radius 0

Clear Search | Filters | Export

No search executed. Click search button or click on map at desired location.



DEPARTMENT OF ECOLOGY State of Washington

What's in My Neighborhood: Toxics Cleanup

Home | Filters | Help

norge la

Radius On

Search radius: 1 miles

Search Distance

1

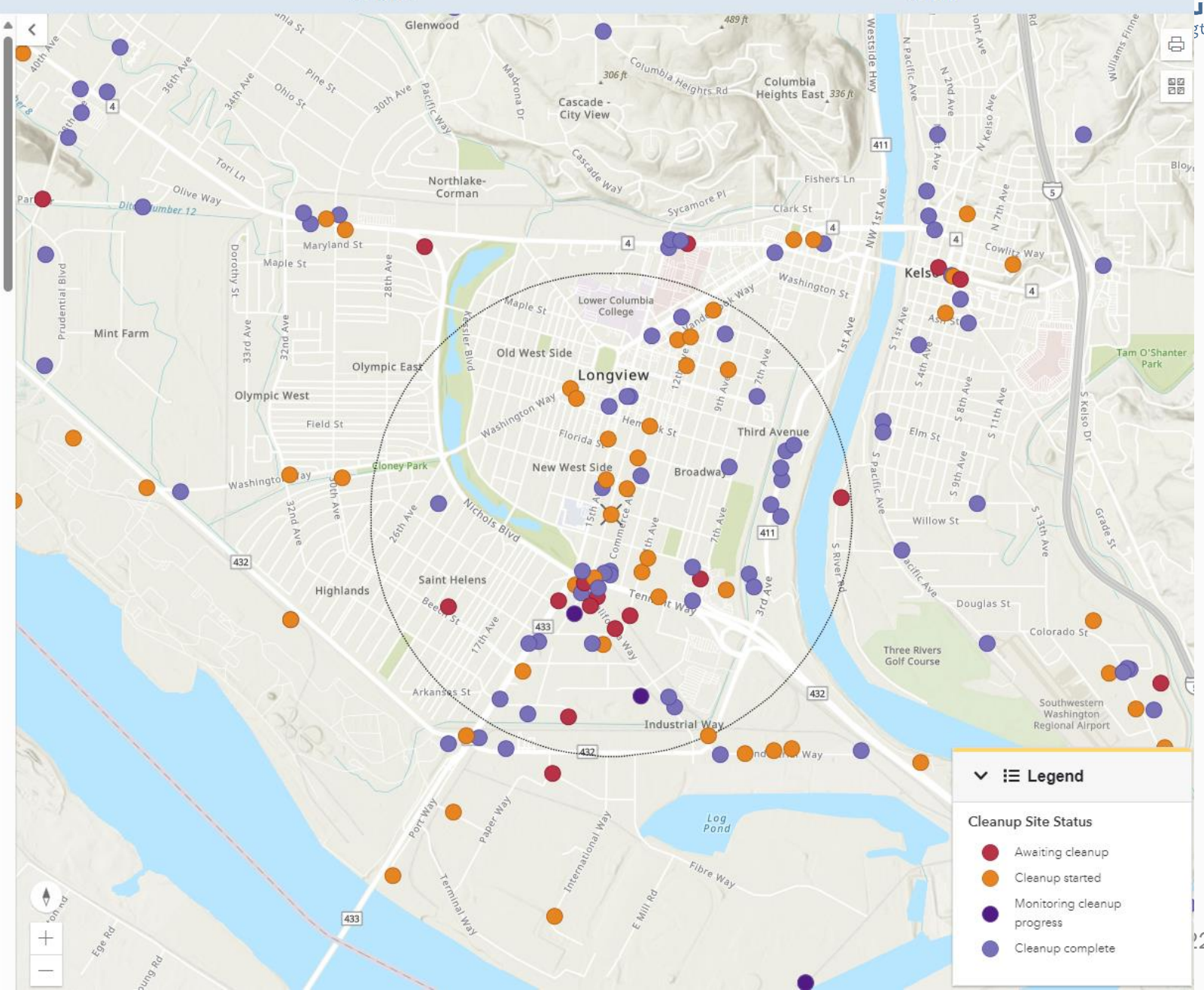
Distance Unit

Mile(s)

Cleanup sites in radius 68

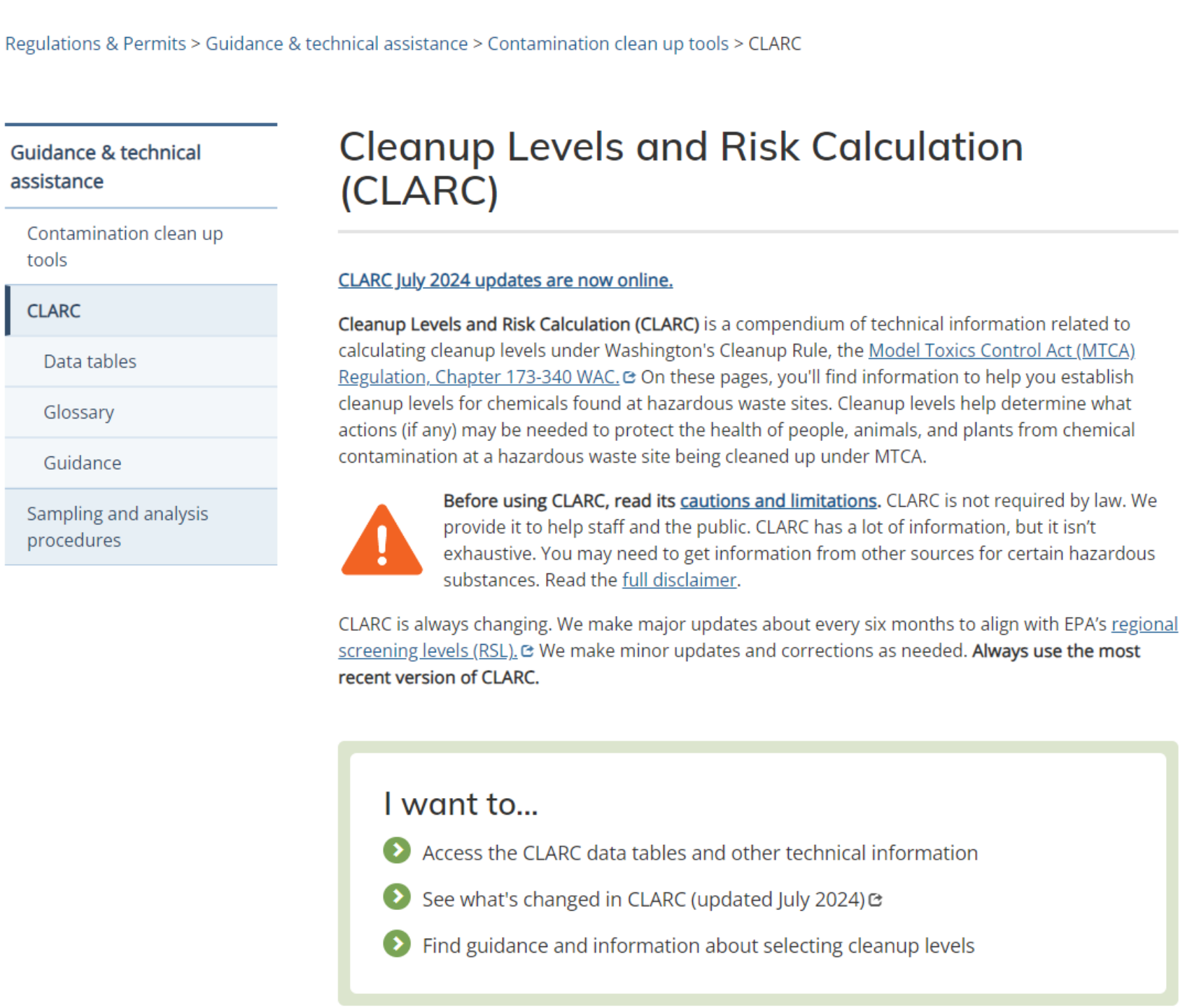
Clear Search | Filters | Export

Site Name?	CSID?	Go
APPLIED INDUSTRIES INC	9175	
Aratex	4984	
ARCO 05300 AMHAZ INC	9107	
Astro Quick Mart	5317	
Bud Clary Chevrolet Inc	10607	
Bud Clary Collision Yard	16922	
Bud Clary Subaru	14902	
CABLE HOLDCO EXCHANGE IV LLC PROPERTY	2726	
Chevron 92162	8037	
CLARY PROPERTY	4843	



CLARC

- Helps to establish cleanup levels under MTCA
- Search “CLARC” in the Ecology homepage
- Media: Soil, groundwater, surface water and air
- Updated twice a year



Regulations & Permits > Guidance & technical assistance > Contamination clean up tools > CLARC

Guidance & technical assistance

Contamination clean up tools

CLARC

Data tables

Glossary

Guidance

Sampling and analysis procedures

Cleanup Levels and Risk Calculation (CLARC)

CLARC July 2024 updates are now online.

Cleanup Levels and Risk Calculation (CLARC) is a compendium of technical information related to calculating cleanup levels under Washington's Cleanup Rule, the Model Toxics Control Act (MTCA) Regulation, Chapter 173-340 WAC. On these pages, you'll find information to help you establish cleanup levels for chemicals found at hazardous waste sites. Cleanup levels help determine what actions (if any) may be needed to protect the health of people, animals, and plants from chemical contamination at a hazardous waste site being cleaned up under MTCA.

Before using CLARC, read its cautions and limitations. CLARC is not required by law. We provide it to help staff and the public. CLARC has a lot of information, but it isn't exhaustive. You may need to get information from other sources for certain hazardous substances. Read the full disclaimer.

CLARC is always changing. We make major updates about every six months to align with EPA's regional screening levels (RSL). We make minor updates and corrections as needed. **Always use the most recent version of CLARC.**

I want to...

- Access the CLARC data tables and other technical information
- See what's changed in CLARC (updated July 2024)
- Find guidance and information about selecting cleanup levels

CLARC

- View/download data Tables
- Human health cleanup levels
- Toxicity data and physical characteristics of chemicals
- Applicable state and federal requirements

Guidance & technical assistance
CLARC
Data tables
Glossary
Guidance

CLARC data tables and other technical information

July 2024 updates +

The CLARC spreadsheet has information to help cleanup project managers and other stakeholders determine cleanup levels for hazardous waste sites. These data tables provide:

- **Method A cleanup levels**
- **Default human health cleanup levels for soil, groundwater, surface water, air, and vapor intrusion** calculated using the standard Method B and Method C equations from the Model Toxic Control Act (MTCA) Cleanup Regulations.
- Information about the **physical parameters and toxicity of chemicals**.
- **Federal and state legal standards** that must be considered when selecting cleanup levels.
- A table of **noncancer toxic effects of chemicals** as listed in EPA's IRIS database.

Download CLARC data tables

Download CLARC Excel file

Download CLARC as a PDF

The Excel and PDF files have the same information; only the format is different. See Glossary for terms and acronyms found in these files. To see a list of past changes to CLARC, download the Change History (pdf). We update this file whenever we update CLARC.

CAS No.	Chemical Data Group	Chemical Data Subgroup	Chemical Name	Links to Important Notes	RfC Inhalation Reference Concentration (mg/m^3)	Source	RfDi Inhalation Reference Dose (mg/kg-day)	IUR Inhalation Unit Risk $(\mu g/m^3)^{-1}$	Source	CPFi Inhalation Cancer Potency Factor (kg-day/mg)	RfDo Oral Reference Dose (mg/kg-day)	Source	CPFo Oral Cancer Potency Factor (kg-day/mg)	Source	Soil Method A Unrestricted Land Use (Table 740-1) (mg/kg)	Soil Method B Direct Contact Noncancer (Eq. 740-1) (mg/kg)	Soil Method B Direct Contact Cancer (Eq. 740-2) (mg/kg)	Soil Method A Industrial Properties (Table 745-1) (mg/kg)
83-32-9	PAHs	Non-Halogenated	acenaphthene								6.00E-02	I				4.80E+03		
30560-19-1	Pesticides	Non-Halogenated	acephate								3.00E-04	O				2.40E+01		
75-07-0	VOCs	Non-Halogenated	acetaldehyde		9.00E-03	I	2.57E-03	2.20E-06	I	7.70E-03								
34256-82-1	Pesticides	Halogenated	acetochlor								2.00E-02	I				1.60E+03		
67-64-1	VOCs	Non-Halogenated (Solvent)	acetone								9.00E-01	I				7.20E+04		
75-86-5	SVOCs	Non-Halogenated	acetone cyanohydrin		2.00E-03	X	5.71E-04											
75-05-8	VOCs	Non-Halogenated (Solvent)	acetonitrile		6.00E-02	I	1.71E-02											
98-86-2	SVOCs	Non-Halogenated	acetophenone								1.00E-01	I				8.00E+03		
62476-59-9	Herbicides	Halogenated	acifluorfen, sodium								1.30E-02	I				1.00E+03		
107-02-8	VOCs	Non-Halogenated (Solvent)	acrolein		2.00E-05	I	5.71E-06				5.00E-04	I				4.00E+01		
79-06-1	VOCs	Non-Halogenated	acrylamide		6.00E-03	I	1.71E-03	1.00E-04	I-M	3.50E-01	2.00E-03	I	5.00E-01	I-M		1.60E+02	3.80E-01	
79-10-7	VOCs	Reactive Wastes; Corrosive	acrylic acid		1.00E-03	I	2.86E-04				5.00E-01	I				4.00E+04		
107-13-1	VOCs	Non-Halogenated	acrylonitrile		2.00E-03	I	5.71E-04	6.80E-05	I	2.38E-01	1.00E-03	H	5.40E-01	I		8.00E+01	1.90E+00	
15972-60-8	Pesticides	Halogenated	alachlor								1.00E-02	I	5.60E-02	C		8.00E+02	1.80E+01	
1596-84-5	Pesticides	Non-Halogenated	alar					5.10E-06	C	1.79E-02	1.50E-01	I	1.80E-02	C		1.20E+04	5.60E+01	
116-06-3	Pesticides (Carbamate)	Non-Halogenated	aldicarb								1.00E-03	I				8.00E+01		
1646-88-4	Pesticides (Carbamate)	Non-Halogenated	aldicarb sulfone								1.00E-03	I				8.00E+01		
309-00-2	Pesticides	Halogenated	aldrin					4.90E-03	I	1.72E+01	3.00E-05	I	1.70E+01	I		2.40E+00	5.90E-02	
74223-64-6	Pesticides	Non-Halogenated	ally								2.50E-01	I				2.00E+04		
107-18-6	VOCs	Non-Halogenated (Solvent)	allyl alcohol		1.00E-04	X	2.86E-05				5.00E-03	I				4.00E+02		
107-05-1	VOCs	Halogenated	allyl chloride		1.00E-03	I	2.86E-04	6.00E-06	C	2.10E-02			2.10E-02	C			4.80E+01	
7429-90-5	Metals	Aluminum compounds	aluminum		5.00E-03	P	1.43E-03				1.00E+00	P				8.00E+04		
20859-73-8	Metal compounds	Aluminum compounds	aluminum phosphide								4.00E-04	I				3.20E+01		
67485-29-4	Pesticides	Halogenated	amdro								1.70E-02	O				1.40E+03		
834-12-8	Pesticides	Non-Halogenated	ametryn								9.00E-03	I				7.20E+02		
92-67-1	SVOCs	Non-Halogenated	aminobiphenyl;4-					6.00E-03	C	2.10E+01			2.10E+01	C			4.80E-02	
591-27-5	Phenols	Non-Halogenated	aminophenol;m-								8.00E-02	P				6.40E+03		
33089-61-1	Pesticides	Non-Halogenated	amitraz								2.50E-03	I				2.00E+02		
7664-41-7	Nonmetal inorganics	Corrosive	AMMONIA	AMMONIA NOTES	5.00E-01	I	1.43E-01											
7790-98-9	Perchlorates	Halogenated	ammonium perchlorate								7.00E-04	I				5.60E+01		
7773-06-0	Nonmetal inorganics		ammonium sulfamate								2.00E-01	I				1.60E+04		
62-53-3	SVOCs	Non-Halogenated	aniline		1.00E-03	I	2.86E-04	1.60E-06	C	5.60E-03	7.00E-03	P	5.70E-03	I		5.60E+02	1.80E+02	
120-12-7	PAHs	Non-Halogenated	anthracene								3.00E-01	I				2.40E+04		
7440-36-0	Metals	Antimony compounds	antimony		3.00E-04	A	8.57E-05				4.00E-04	I				3.20E+01		
1314-60-9	Metal compounds	Antimony compounds	antimony pentoxide								5.00E-04	H				4.00E+01		
28300-74-5	Metal compounds	Antimony compounds	antimony potassium tartrate								9.00E-04	H				7.20E+01		
1332-81-6	Metal compounds	Antimony compounds	antimony tetroxide								4.00E-04	H				3.20E+01		
1309-64-4	Metal compounds	Antimony compounds	antimony trioxide		2.00E-04	I	5.71E-05											
74115-24-5	Pesticides	Halogenated	apollo								1.30E-02	I				1.00E+03		
140-57-8	SVOCs	Halogenated	aramite					7.10E-06	I	2.49E-02	5.00E-02	H	2.50E-02	I		4.00E+03	4.00E+01	
12674-11-2	PCBs	Halogenated	aroclor 1016					2.00E-05	G	7.00E-02	7.00E-05	I	7.00E-02	G		5.60E+00	1.40E+01	
11097-69-1	PCBs	Halogenated	aroclor 1254					5.70E-04	G	2.00E+00	2.00E-05	I	2.00E+00	G		1.60E+00	5.00E-01	
11096-82-5	PCBs	Halogenated	aroclor 1260					5.70E-04	G	2.00E+00			2.00E+00	G			5.00E-01	
7440-38-2	Metals	Arsenic compound	arsenic, inorganic		1.50E-05	C	4.29E-06	4.30E-03	I	1.51E+01	3.00E-04	I	1.50E+00	I	2.00E+01	2.40E+01	6.70E-01	2.00E+01

Find Analytical Methods

- Searchable inventory of approved sampling and analysis procedures for common hazardous substances in different media
- Find an accredited laboratory

- Search by chemical or chemical group

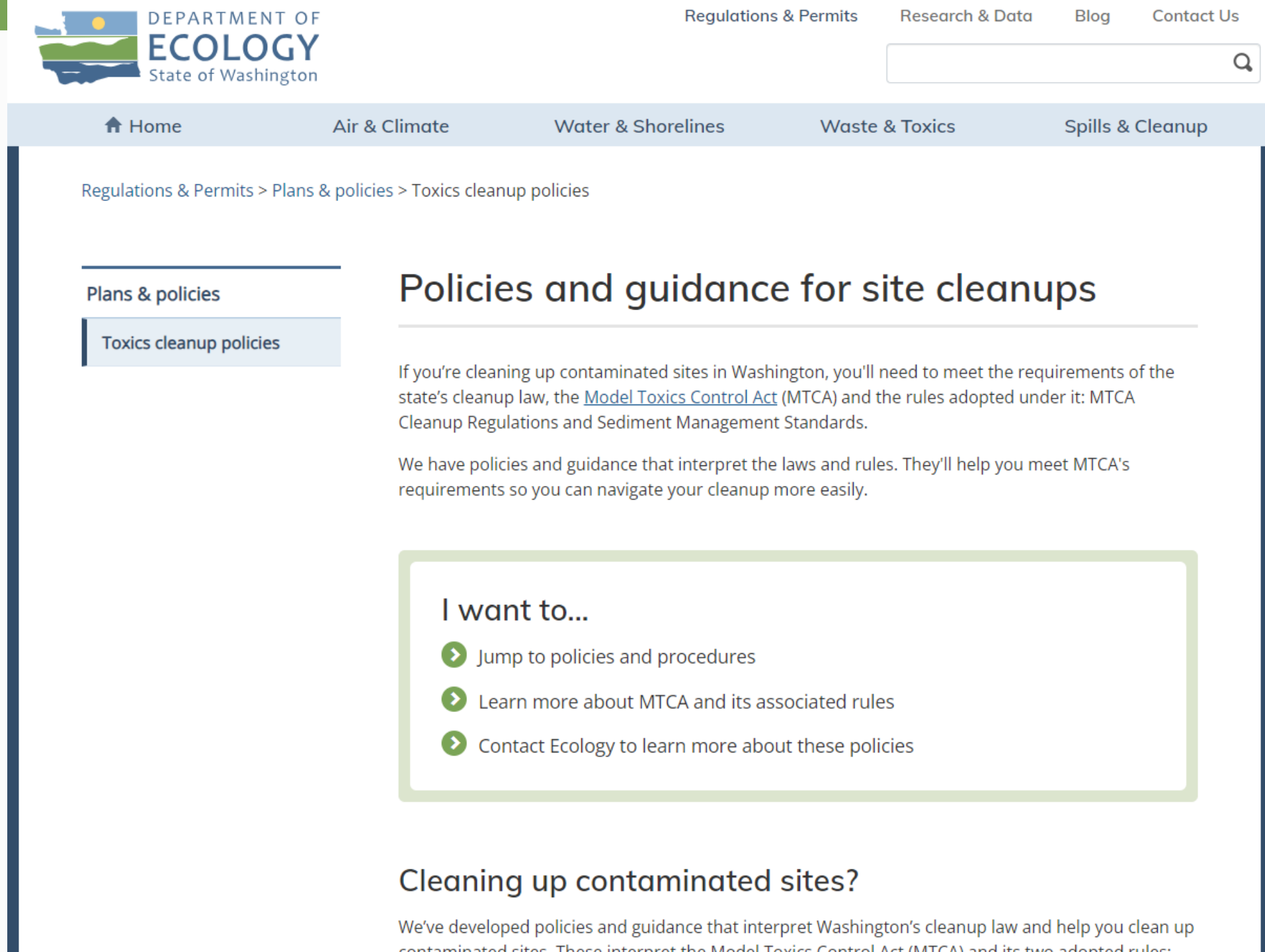
the Sediment Cleanup User's Manual (SCUM).

The methods are identified by the hazardous substance (or class of substances) and by the environmental matrix where the substance is sampled: drinking water, aqueous media (e.g., groundwater), solids (e.g., soil), and air.

Show 25 entries Search:

Analyte	Method	Drinking water	Aqueous	Solids	Air
Mercury	EPA 1631E		yes		
Metals	EPA 6010D [4]		yes	yes	
Metals	EPA 6020B		yes	yes	
Metals	EPA 200.8	yes	yes		
Metals	EPA 1640		yes		
Organotins	KRONE89			yes	
ORP	SM 2580	yes	yes		
PCBs	EPA 1668C		yes	yes	
PCBs	EPA 680		yes		
PCBs	EPA 8082A		yes	yes	
Pesticides	EPA 8081B		yes	yes	
Pesticides	EPA 680		yes		
Pesticides	EPA 608.3		yes		
Petroleum	NWTPH-HCID [5]		yes	yes	
Petroleum	NWTPH-Gx		yes	yes	

- From Ecology homepage, Type:
- “Policies and Guidance for Site Cleanups” into the search box



Contaminated site cleanup

- Policies
- Procedures
- Implementation memos
- Guidance

Why do we need policies and guidance to interpret MTCA?

MTCA's requirements can be challenging to navigate — especially when cleanups are complex or involve contaminated sediment along a shoreline. Policies and guidance help you meet the requirements found in:

- Model Toxics Control Act (MTCA) – Chapter 70A.305 RCW (MTCA law)
- MTCA Cleanup Regulations (aka the MTCA Cleanup Rule) – Chapter 173-340 WAC (for all cleanups)
- Sediment Management Standards (aka the SMS Rule) – Chapter 173-204-WAC (for sediment cleanups)

TCP procedures +

TCP policies +

Implementation memoranda +

TCP Cleanup Topics | Major Guidance Documents +

Who develops these documents?

Our **Toxics Cleanup Program's Policy and Technical Support Unit** develops policies and guidance in collaboration with cleanup project managers and technical staff statewide. These scientists, engineers, toxicologists, lawyers, hydrologists, and writers also provide technical assistance to people involved in a cleanup, such as cleanup project managers, property owners, environmental consultants, and local governments.

TCP Cleanup Topics | Major Guidance Documents

Major Cleanup Topics	Major Guidance Documents
Climate change	• Sustainable Remediation: climate change resiliency and green remediation (guidance manual) • Climate change and cleanup (two-page focus sheet)
Empirical demonstrations	• Visit webpage at left for information
Model remedies	• Model remedies for sites with petroleum impacts to groundwater • Model remedies for sites with petroleum contaminated soils • FAQs for implementing model remedies (Implementation Memo 20)
PFAS at cleanup sites (per- and polyfluoroalkyl substances)	• Guidance (June 2023) • Focus on: PFAS cleanup levels
Petroleum cleanups	• CLARC: Cleanup Levels and Risk Calculation spreadsheet • Guidance on remediation of petroleum-contaminated ground water by natural attenuation • Guidance for remediation of petroleum contaminated sites (also called "TPH Guidance" and "Total Petroleum Hydrocarbons Guidance") • Guidance for silca gel cleanup in Washington state

DEPARTMENT OF ECOLOGY
State of Washington

DEPARTMENT OF ECOLOGY
State of Washington

Guidance for Remediation of Petroleum Contaminated Sites

Toxics Cleanup Program

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Thank you

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