NPDES Permit History in Washington

Rebecca Dugopolski, PE

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Agenda

Permit History

- General
- Municipal Permits
- Industrial Permits

Permit Overview

- Municipal Permits
- Industrial Permits

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Permit History

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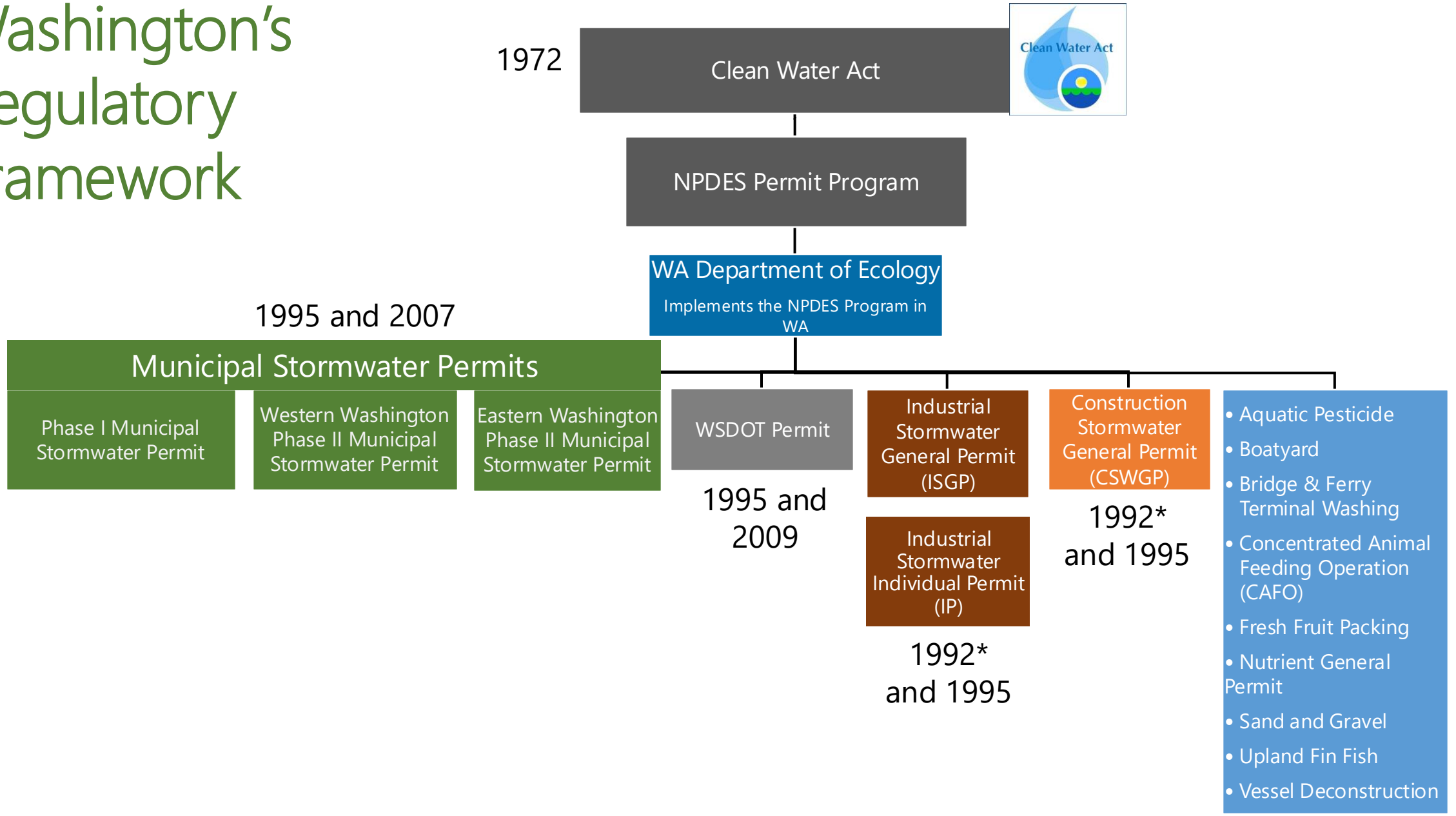
Washington's Regulatory Framework

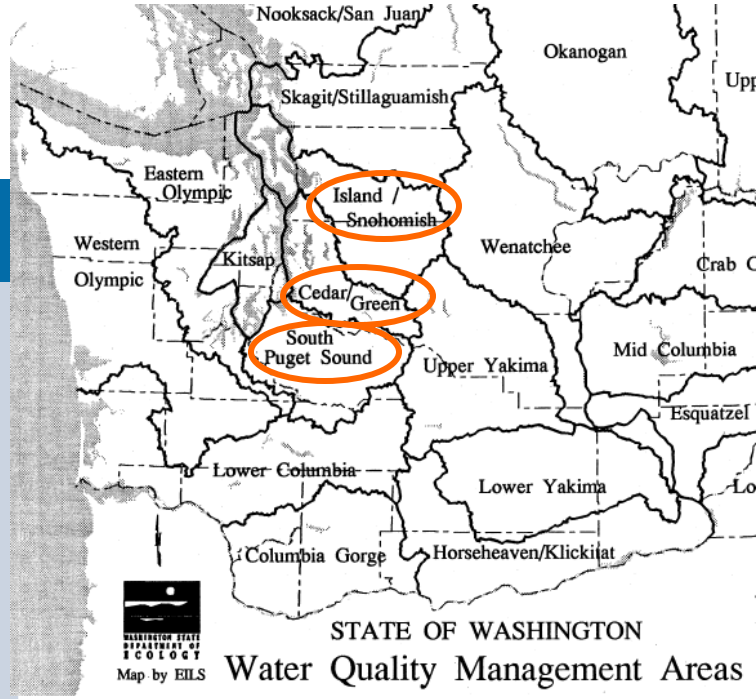


*1992 – combined industrial and construction

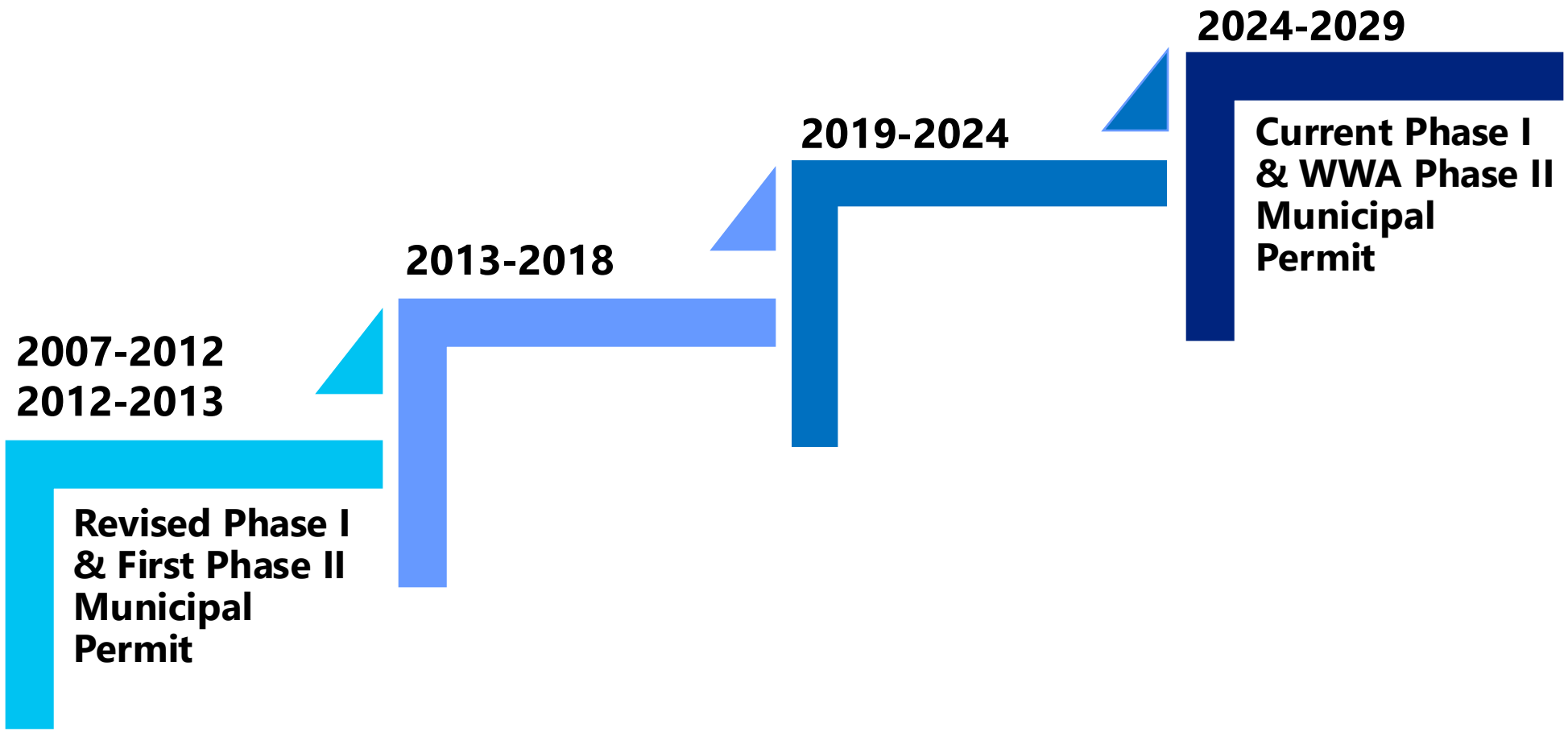
Municipal Permit Timeline (Watershed-Based Strategy)

1995 Municipal NPDES Permit

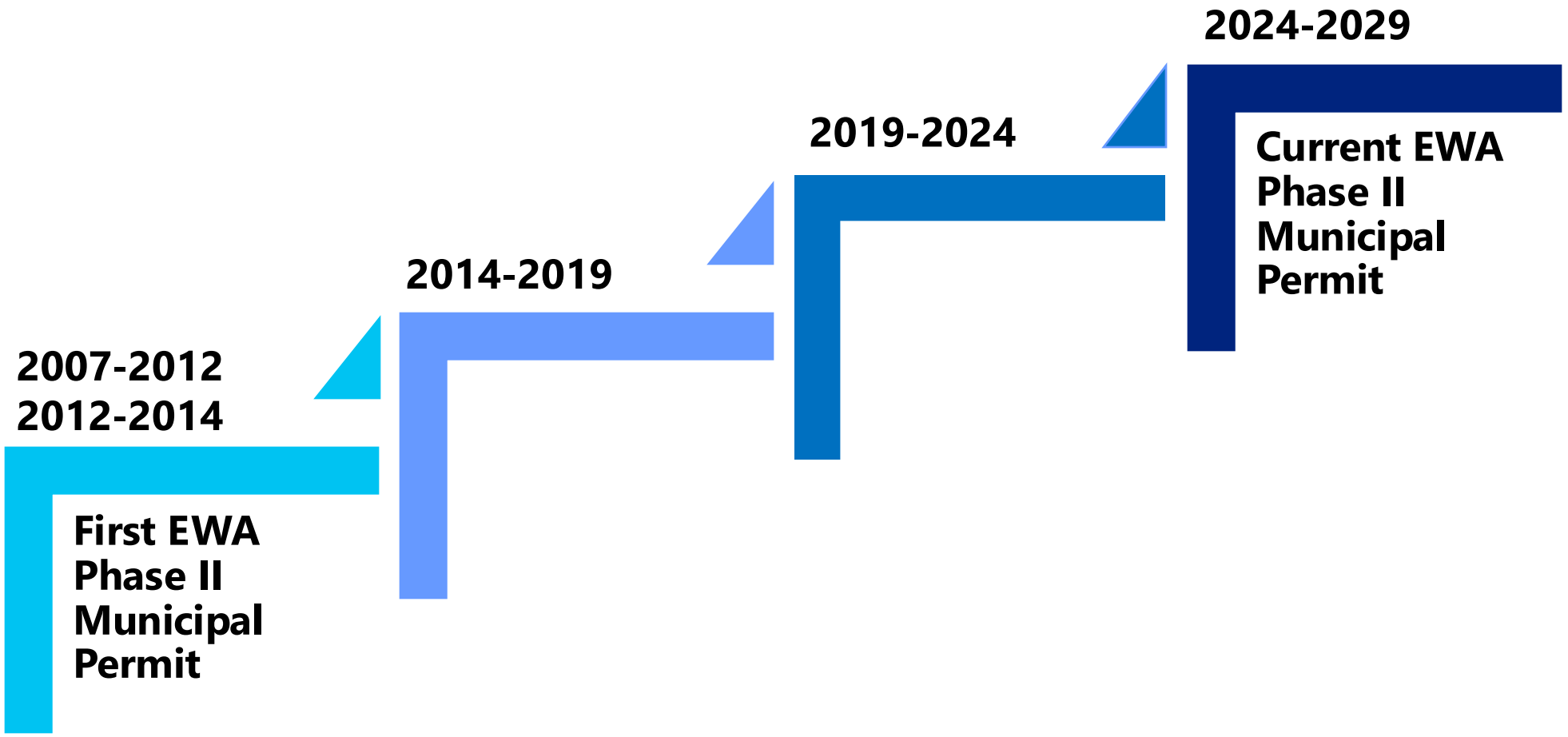
Cedar/Green	South Puget Sound	Island/Snohomish
Seattle King County Snohomish County WSDOT *Also includes *Vashon Island (technically part of the Kitsap WQ Management Area)	Tacoma Pierce County King County WSDOT *Also includes a portion of Pierce County on the Kitsap Peninsula (technically part of the Kitsap WQ Management Area)	Snohomish County King County WSDOT *Also includes unincorporated Snohomish County drainage to the Skagit/Stillaguamish (technically part of the Skagit/Stillaguamish WQ Management Area)



Municipal Permit Timeline (Phase I and Western WA Phase II)



Municipal Permit Timeline (EWA Phase II)



Municipal Stormwater Permit Coverage

2024-2029 Municipal NPDES permittees

Phase I Permittees	Western Washington Phase II Permittees	Eastern Washington Phase II Permittees
Seattle Tacoma Clark County King County Pierce County Snohomish County	85 cities 5 counties	19 cities 6 counties
Secondary Permittees: 49; includes ports, colleges, universities		

To see a listing of permittees visit
https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Stormwater-general-permits/Municipal-stormwater-general-permits

Municipal Stormwater Permit Coverage

Western WA: green and dark blue

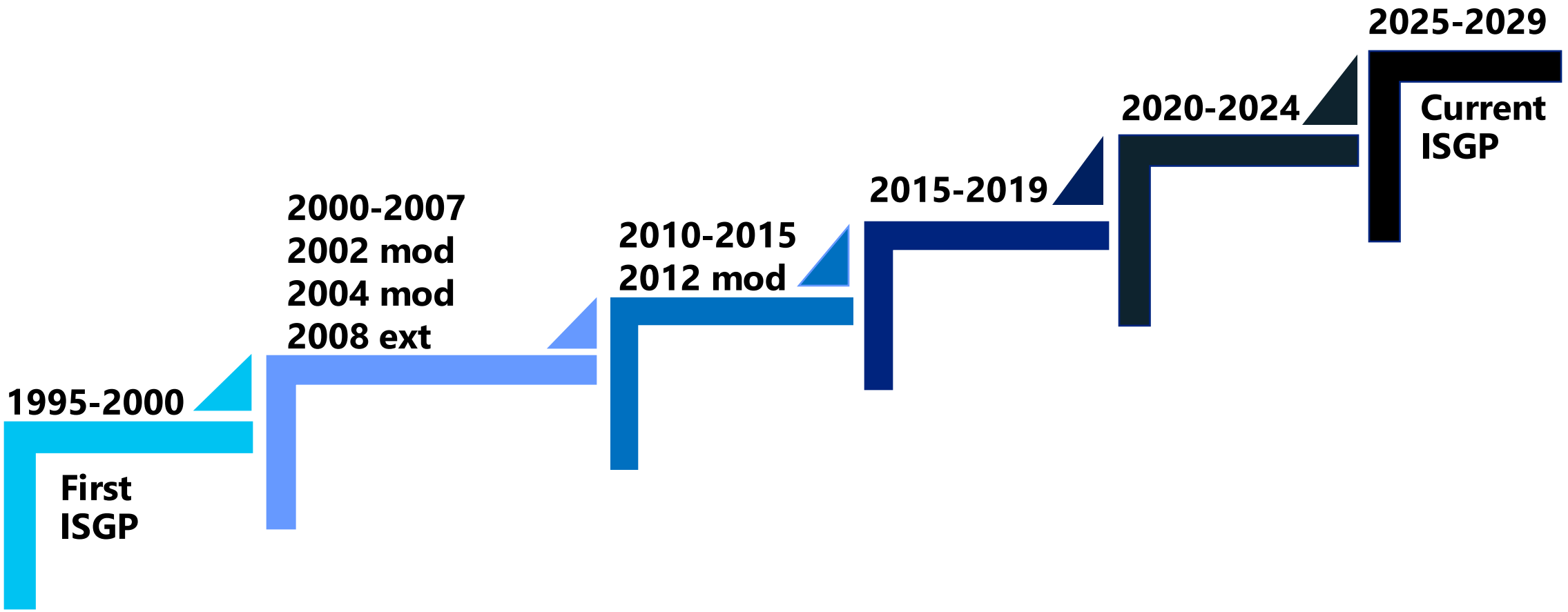
Eastern WA: white and light blue

https://apps.ecology.wa.gov/publications/documents/1901005.pdf

Permit coverage areas: light blue

https://waecy.maps.arcgis.com/apps/mapviewer/index.html

Industrial Permit Timeline (ISGP)



Industrial Stormwater Permit Coverage

2025-2029 Industrial NPDES permittees

Industrial Stormwater General Permit (ISGP)	Industrial Stormwater Individual Permit (IP)
~1,200 facilities	~164 facilities

Permit Overview: Municipal Permits

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Municipal Stormwater Permit Requirements (Phase I)

1. Legal Authority
2. MS4 Mapping and Documentation
3. Coordination
4. Public Involvement and Participation
5. Controlling Runoff from New Development, Redevelopment, and Construction Sites
6. Stormwater Planning
7. Stormwater Management for Existing Development
8. Source Control Program for Existing Development
9. Illicit Connections and Illicit Discharges Detection and Elimination
10. Operations and Maintenance Program
11. Education and Outreach Program
12. Compliance with TMDLs
13. Monitoring
14. Reporting

Municipal Stormwater Permit Requirements (WWA Phase II)

1. Stormwater Planning
2. Public Education and Outreach
3. Public Involvement
4. MS4 Mapping and Documentation
5. Illicit Discharge Detection and Elimination
6. Controlling Runoff from New Development, Redevelopment, and Construction Sites
7. Stormwater Management for Existing Development
8. Source Control Program for Existing Development
9. Operations and Maintenance
10. Compliance with TMDLs
11. Monitoring
12. Reporting

Municipal Stormwater Permit Requirements

1. Stormwater Planning

- Coordination with long-range plan updates
- Review new municipal code to ensure no new barriers to low impact development (LID)
- Stormwater Management Action Planning (SMAP)
  - Stormwater facility retrofits
  - Land management/development strategies
  - Focused, enhanced, or customized implementation of stormwater management actions
  - Implementation schedule
    - Short-term actions (next 6 years)
    - Long-term actions (7-20 years)

Municipal Stormwater Permit Requirements

2. Public Education and Outreach

- Provide materials to build general awareness about from stormwater runoff
- Implement a behavior change campaign
- Provide stewardship opportunities

3. Public Involvement

- Provide opportunities for public input
- Post the Stormwater Management Program Plan and Annual Report online

Municipal Stormwater Permit Requirements

4. Mapping

- Ongoing mapping
  - Outfalls, discharge points, receiving waters, stormwater treatment and flow control BMPs/facilities (Permittee owned), areas that do not discharge to surface waters, drainage areas to outfalls/discharge points with 24" diameter (or larger), connections to other municipalities/privately owned systems
- New mapping
  - Tree canopy to support stormwater management
  - Overburdened communities

Municipal Stormwater Permit Requirements

5. Illicit Connections/Discharges

- Implement/update code related to illegal dumping and spills
- Enforce municipal code when water quality violations are identified
- Respond to all reported spills
- Inspect public stormwater infrastructure proactively to identify potential illicit discharges
- Train staff

Municipal Stormwater Permit Requirements

6. Development and Construction

- Review stormwater site plans
- Inspect construction sites
- Adopt a stormwater manual (design guidance)
- Train staff

Municipal Stormwater Permit Requirements

7. Stormwater Management for Existing Development (SMED)

- Retrofit existing development or implement tailored SWMP actions to reduce or prevent negative water quality impacts from stormwater systems
- Phase I's: 1,000 SMED Program Points by March 2028
- Phase II's: assigned equivalent acreage (8 acres/50,000 population)

Municipal Stormwater Permit Requirements

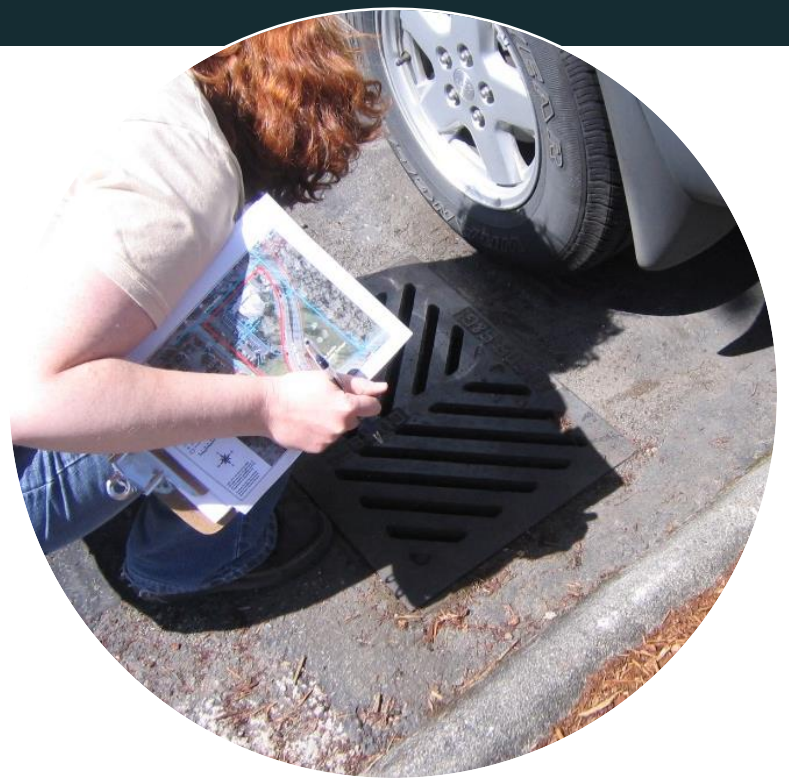
8. Source Control for Existing Development

- Implement code requiring source control
- Update inventory of applicable commercial and industrial properties
- Implement an inspection program for applicable commercial and industrial properties
- Train staff

Municipal Stormwater Permit Requirements

9. Maintenance

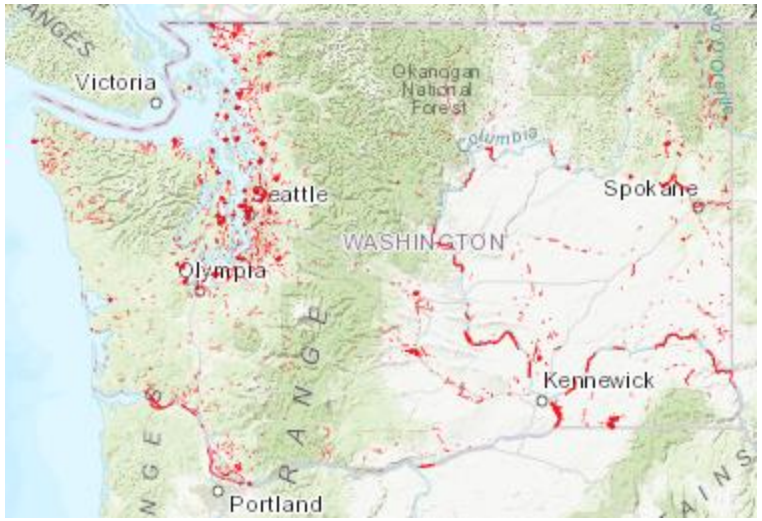
- Inspect public and private stormwater BMPs/facilities
- Implement practices, policies, and procedures for reducing stormwater impacts during maintenance activities
- Implement a Stormwater Pollution Prevention Plan (SWPPP)
- Street sweeping program
- Train staff



Municipal Stormwater Permit Requirements

10. Total Maximum Daily Loads (TMDLs)

- Comply with specific requirements in Appendix 2 of the Permit
- Applicable TMDLs are approved by EPA on or before the issuance date of the Permit (or the date that Ecology issues coverage under the Permit)



https://apps.ecology.wa.gov/waterqualityatlas/wqa/map

Municipal Stormwater Permit Requirements

11. Monitoring

- Regional stormwater action monitoring (SAM) program:
  - **Regional Status and Trends Monitoring:** Puget Sound or urban streams in the Lower Columbia Basin
  - **Stormwater Management Program (SWMP) Effectiveness and Source Identification Studies:** Testing the effectiveness of municipal permit requirements

12. Reporting

- Submit annual report to Ecology

Permit Overview: Industrial Permits

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Industrial Stormwater General Permit Requirements

1. Stormwater Pollution Prevention Plan (SWPPP)
2. Sampling
3. Inspections
4. Reporting and Recordkeeping

Industrial Stormwater General Permit Requirements

1. Stormwater Pollution Prevention Plan (SWPPP)
   - Site map
   - Facility assessment
   - Description of BMPs
   - Spill Prevention and Emergency Cleanup Plan
   - Sampling Plan

Industrial Stormwater General Permit Requirements

2. Sampling

- Sample at each designated location at least once per quarter

All Facilities	Specific Industries		
Turbidity	6PPD-Q	Total arsenic	PFAS
pH	BOD_5	Total cadmium	PFOA
Oil sheen	Nitrate + Nitrite	Total cyanide	PFOS
Total copper	Total phosphorus	Total lead	PFHxS
Total zinc	TPH	Total mercury	PFNA
	COD	Total selenium	HFPO-DA
	Total ammonia	Total silver	PFEBS
	TSS		PAH compounds
			p-cresol
			Phenol

Industrial Stormwater General Permit Requirements

3. Inspections

- Monthly, with at least 1 week between inspections
  - Observations for the presence of illicit discharges/connections
  - BMP assessment
  - Site map verification

- Annual dumpster inspections

Industrial Stormwater General Permit Requirements

4. Reporting and Recordkeeping

- Quarterly discharge monitoring reports (DMRs) or solids monitoring reports (SMRs)
- Annual reports

Any Questions?

Rebecca Dugopolski, PE

rdugopolski@herrerainc.com