An Introduction to EPA's Drinking Water Mapping Application to Protect Source Waters (DWMAPS)

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Region 5 Harmful Algal Blooms Workshop
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Presentation Overview

- Overview of EPA's Drinking Water Mapping Application to Protect Source Waters (DWMAPS)

- Examples of key source water-related queries

- Highlighted HAB-related applications

DWMAPS Overview

- Online mapping tool for drinking water source protection
- Integrates Clean Water Act and Safe Drinking Water Act information
  - Safe Drinking Water Information System (SDWIS)
  - Facility Registry Service (FRS)
  - EPA WATERS/ATTAINS
  - USGS
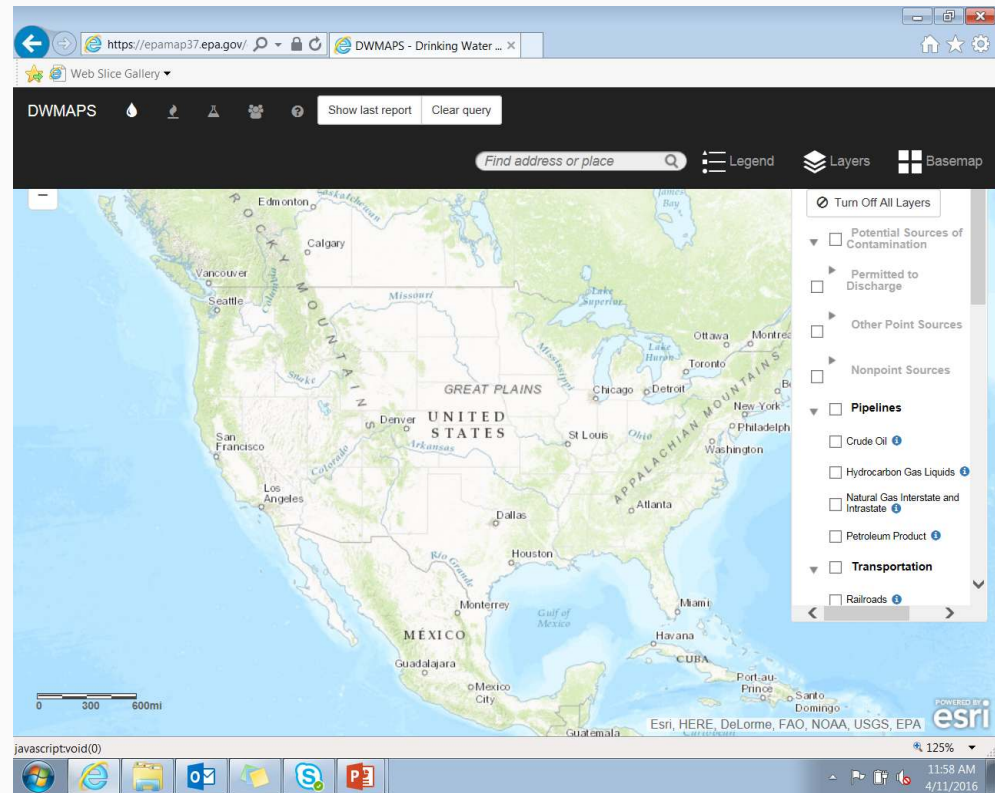
DWMAPS Uses

- View drinking water and watershed data to support source vulnerability assessments

- Identify potential sources of contamination, point and non-point

- Promote integration of drinking water protection and clean water act activities

- Identify watershed stakeholders, potential partners, and watershed projects

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DWMAPS Queries

Examples:
General Source Water-Related Queries

Examples: General Queries

View significance of watershed to source water protection
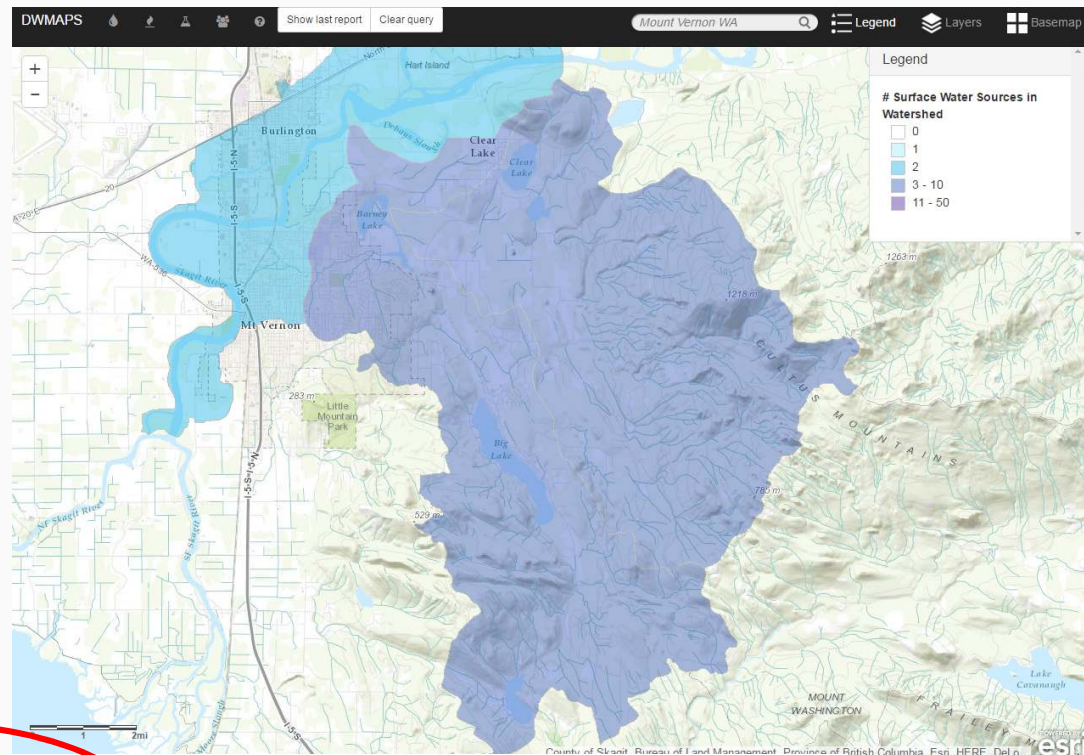
Watershed name ❋	% of watershed covered by a source water protection area ▲	Surface water intake density	Ground water well density
Nookachamps Creek 🔗	69%	2	5

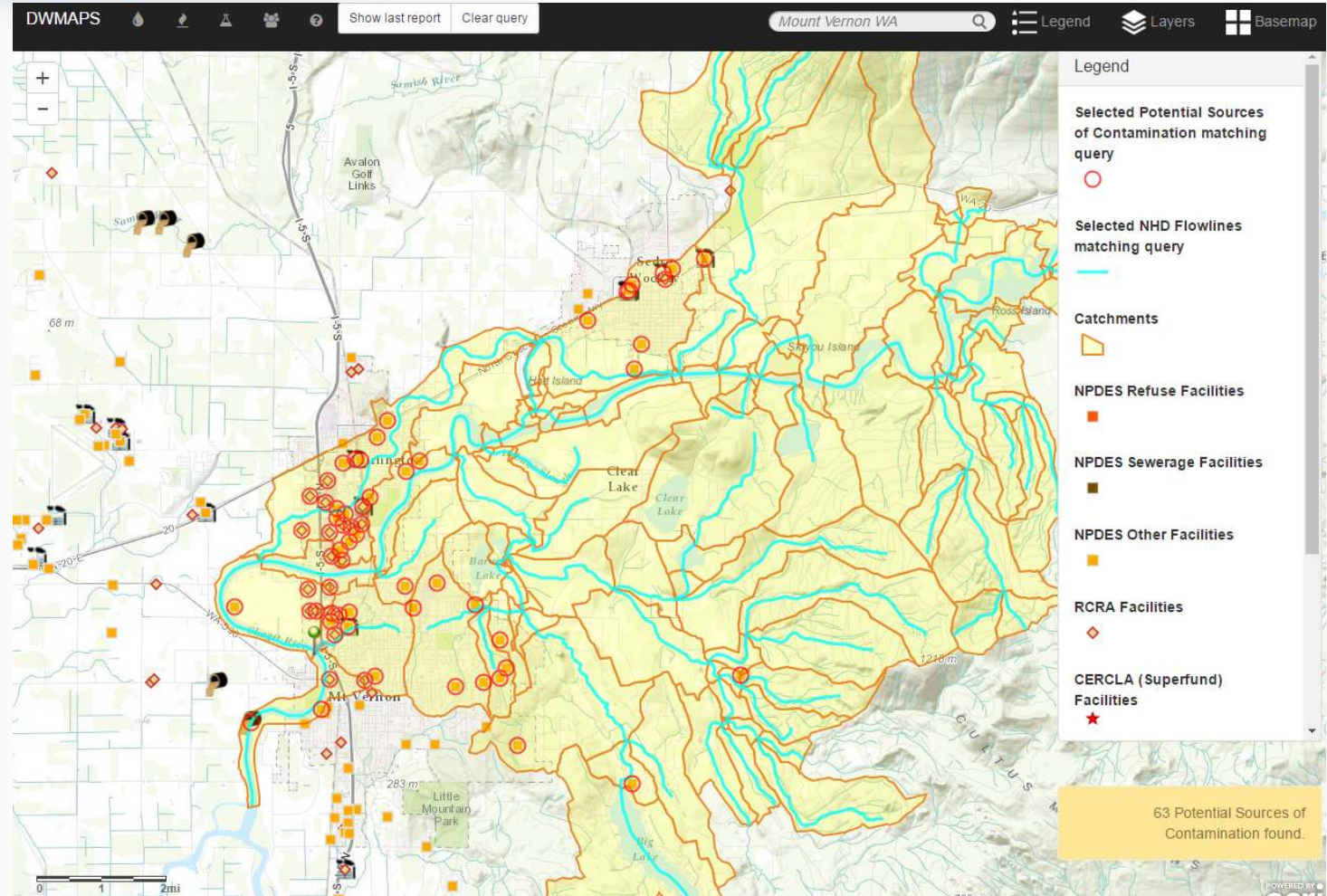# Examples: General Queries

Find drinking watershed information

Examples: General Queries
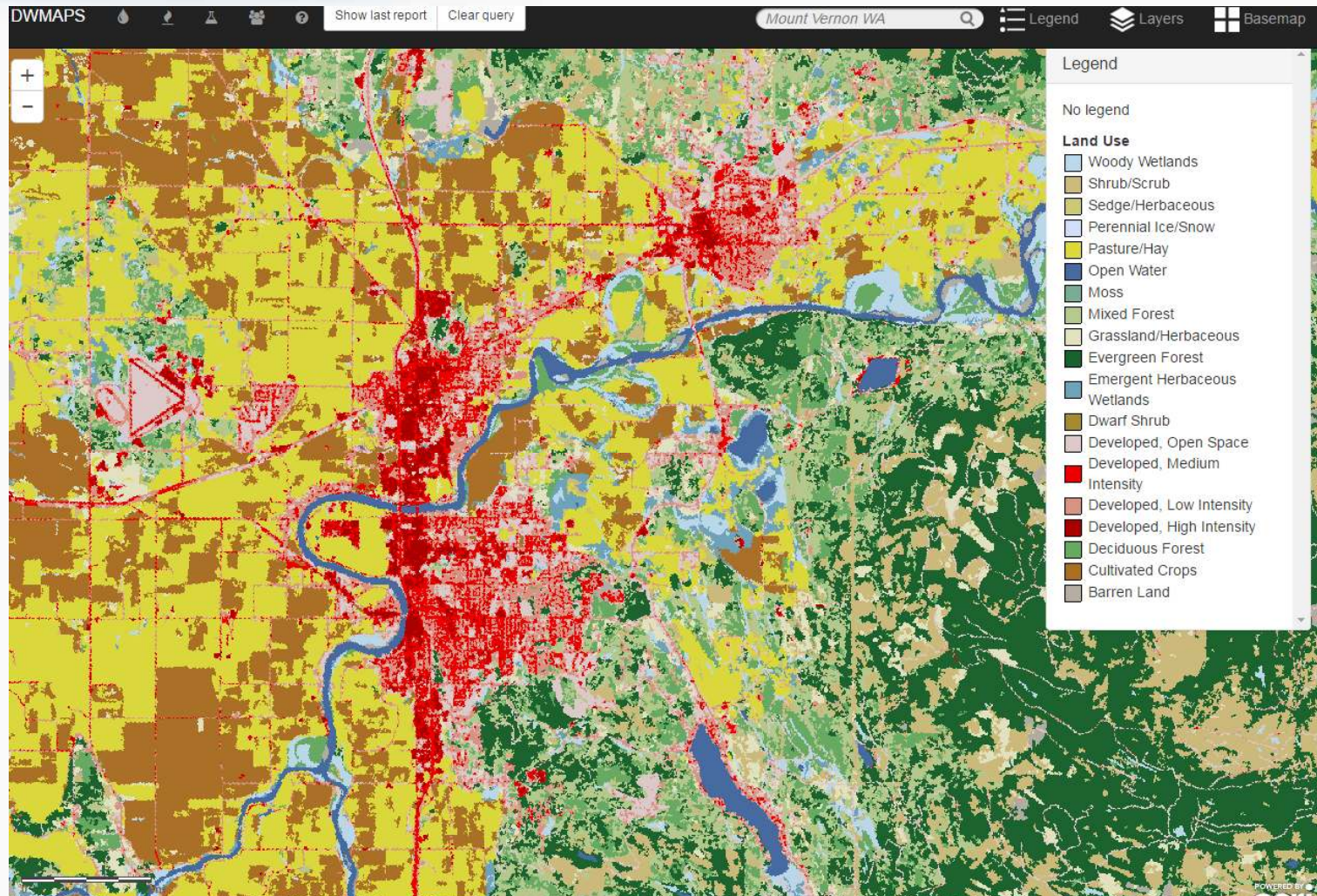
Find potential sources of contamination upstream

Examples:
Harmful Algal Bloom-Related Queries
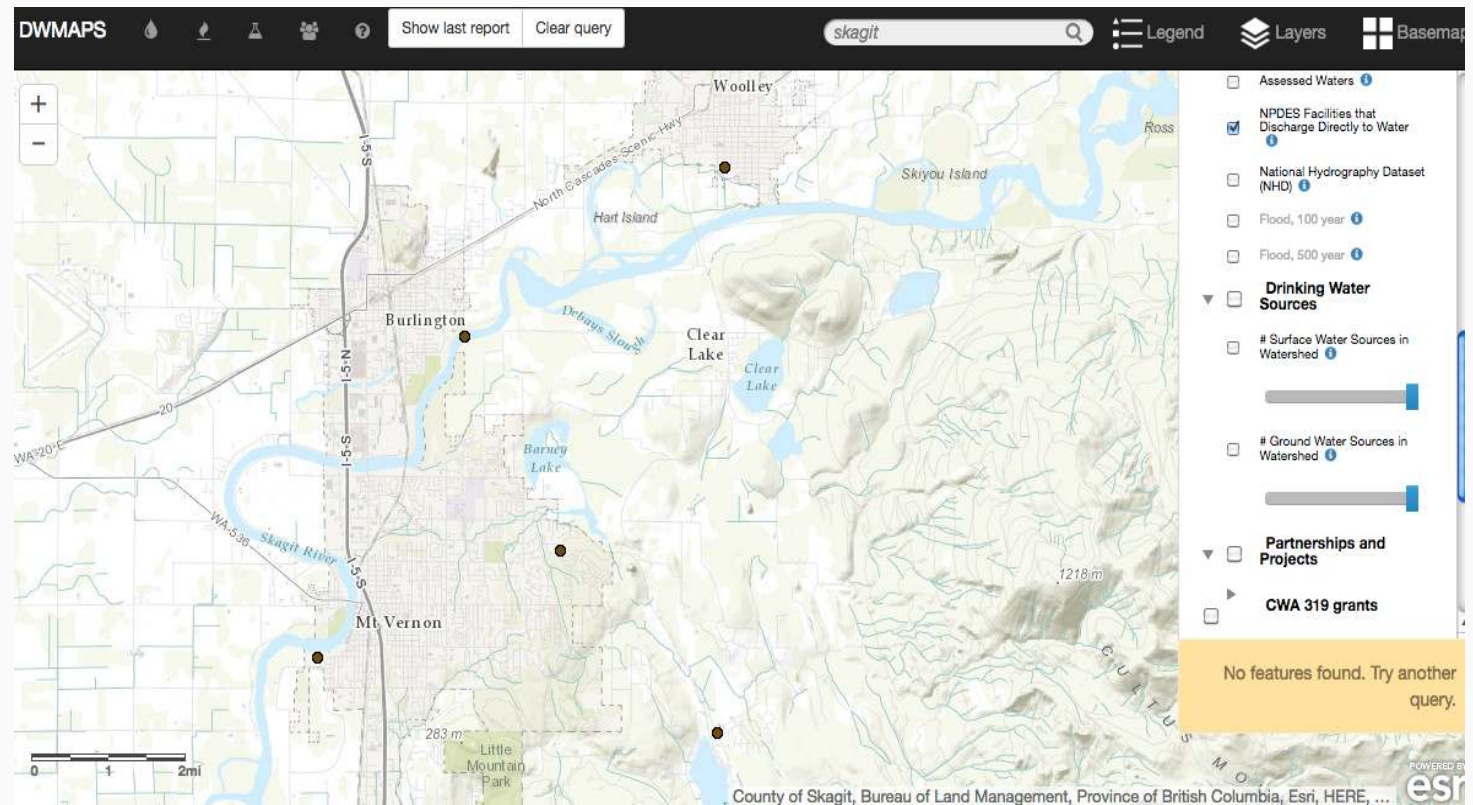
Examples: HAB-Related Queries

View land
use/land cover
in source
watershed

Examples: HAB-Related Queries

Find NPDES
facilities
discharging
nitrogen

Examples: HAB-Related Queries

View facility compliance reports

Skagit County Sewer

Examples: HAB-Related Queries

Find impaired
waterbodies
for HAB
indicators
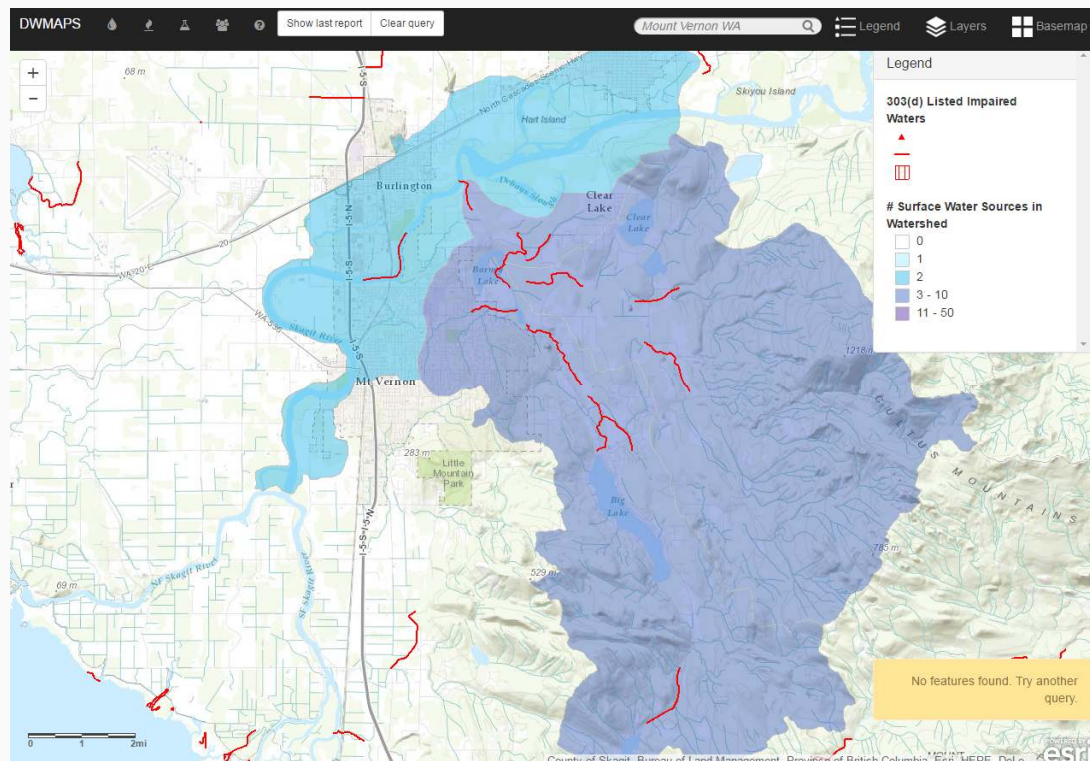
Questions?

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DWMAPS website:
https://www.epa.gov/sourcewaterprotection/dwmaps