

Stormwater Patrol

RDWP Meeting October 7th, 2026

Presentation Overview

Background And Development

- Partners
- Builds on Source Water Assessment Work (MWC and RDWP)

Goals

Procedures

- Patrol Procedure
- Hot Spot/Concern Procedure

Activity Photos

Next Steps

Partners

- Medford Water Commission (MWC)
- Rogue Valley Sewer Services (RVSS)
- Rogue Valley Council of Governments (RVCOG)

Program Development

Builds off of completed Source Water Assessment work

- Priority areas/areas of concern (previously identified)
- Spill pathways/connections (storm drains, creeks, river)
- Used to establish a patrol boundary and route

Survey the watershed monthly* to identify and quantify potential threats. Event based surveys.

- Visual surveys
- Document site visits (survey form)
- Collect field samples/measurements
- Other samples as needed (deliver to lab or analyze in lab)

Follow up with MWC, and/or appropriate agencies(e.g., RVSS, DEQ). OERS

- Hot Spot/Concern Procedures Decision Flowchart

Source Water Assessment (SWA)

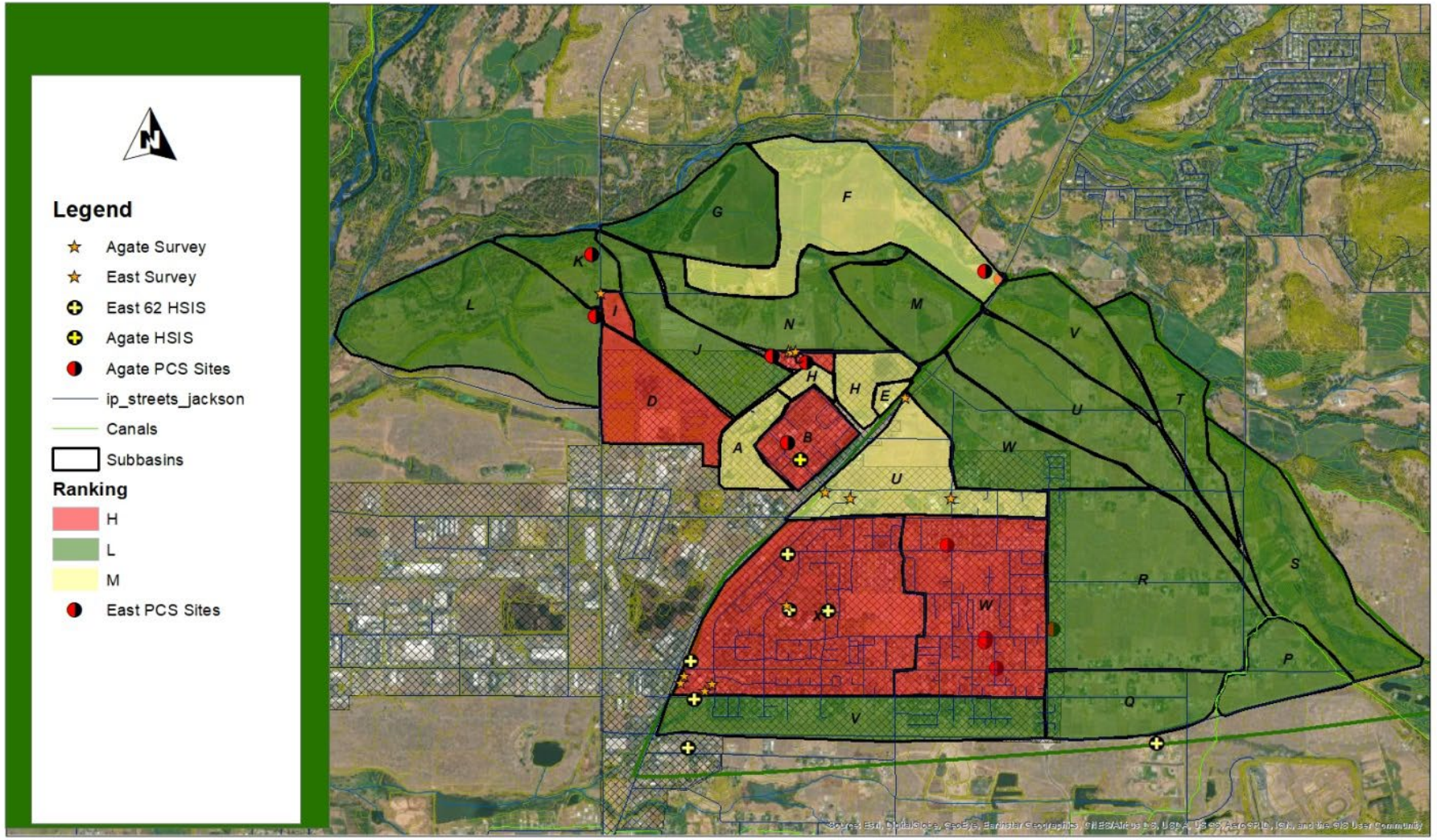
Builds upon previous work completed.

The goal of the work was to identify potential contaminant source (PCS) sites and potential drinking water quality risks.

Both large and small sub-basins were delineated for the project area.

Sub-basins ranked as high, medium, or low risk for water quality concerns.

Hazard Ratings



Basin Rankings

Goals

Track

Track potential threats to source water in the patrol area (above MWC intake).

Identify

Identify additional threats based on patrols and observations

- Tanks
- Site use
- Transportation Networks (Railroad)

Follow up

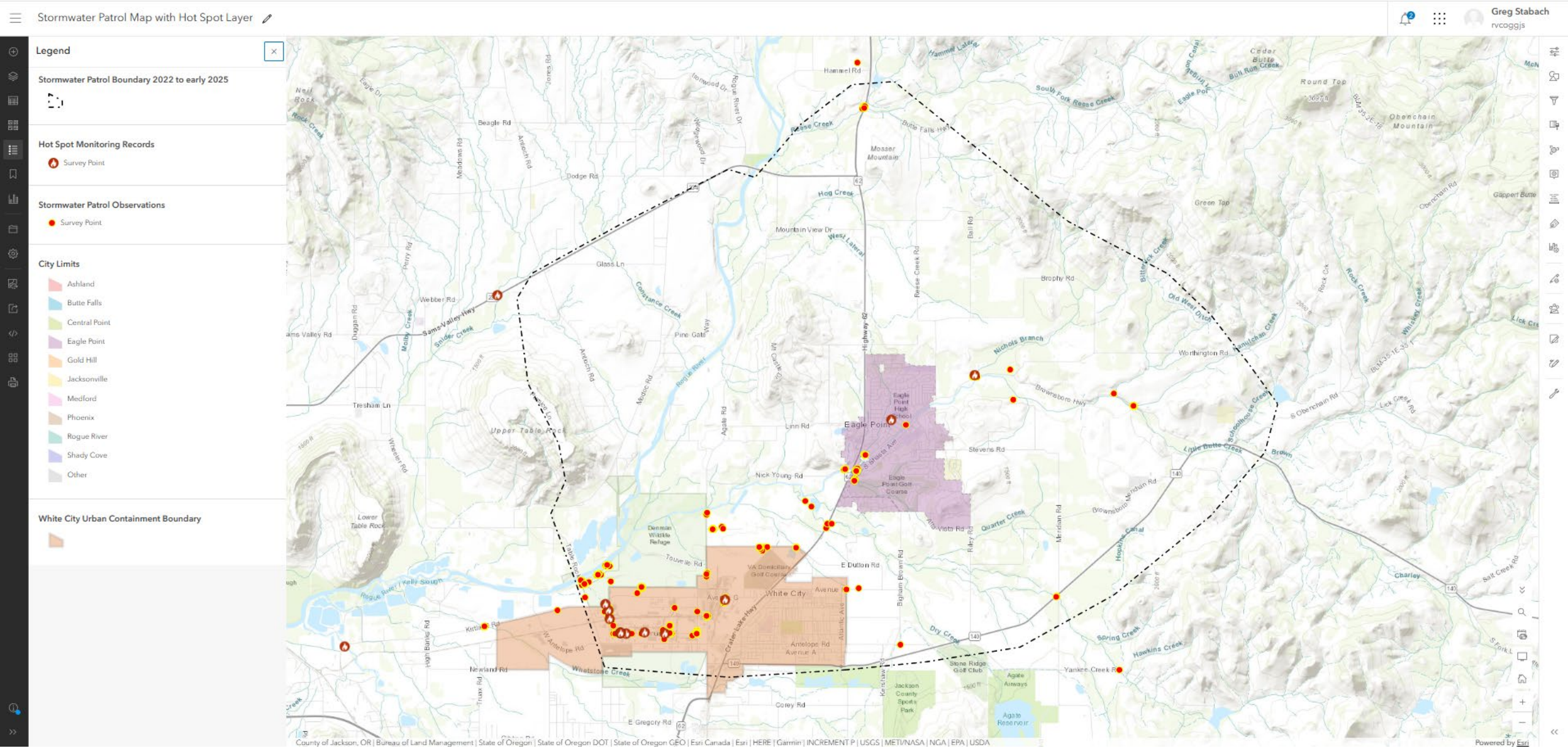
Follow up on any hot spots

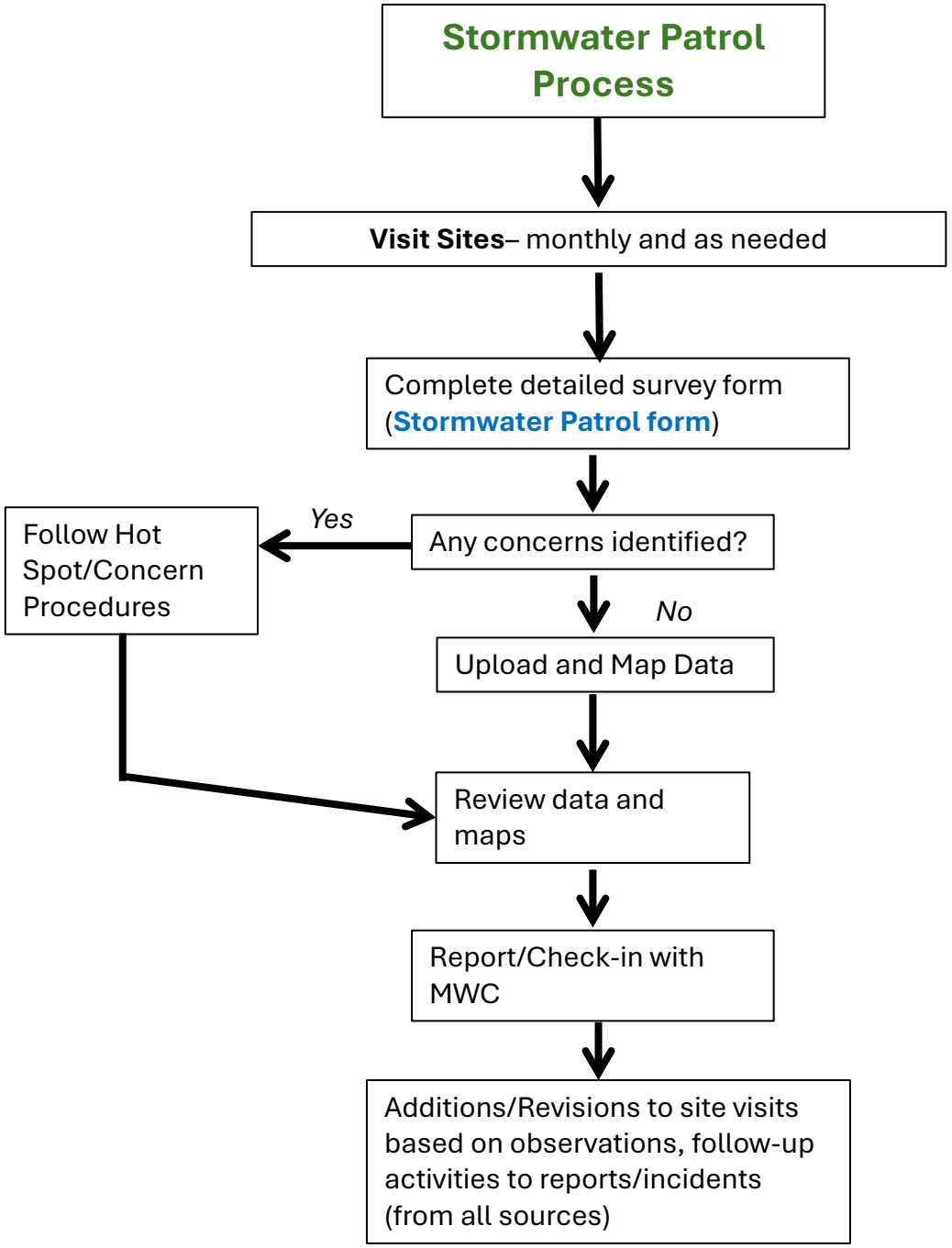
- Immediately
- To make sure threats are eliminated

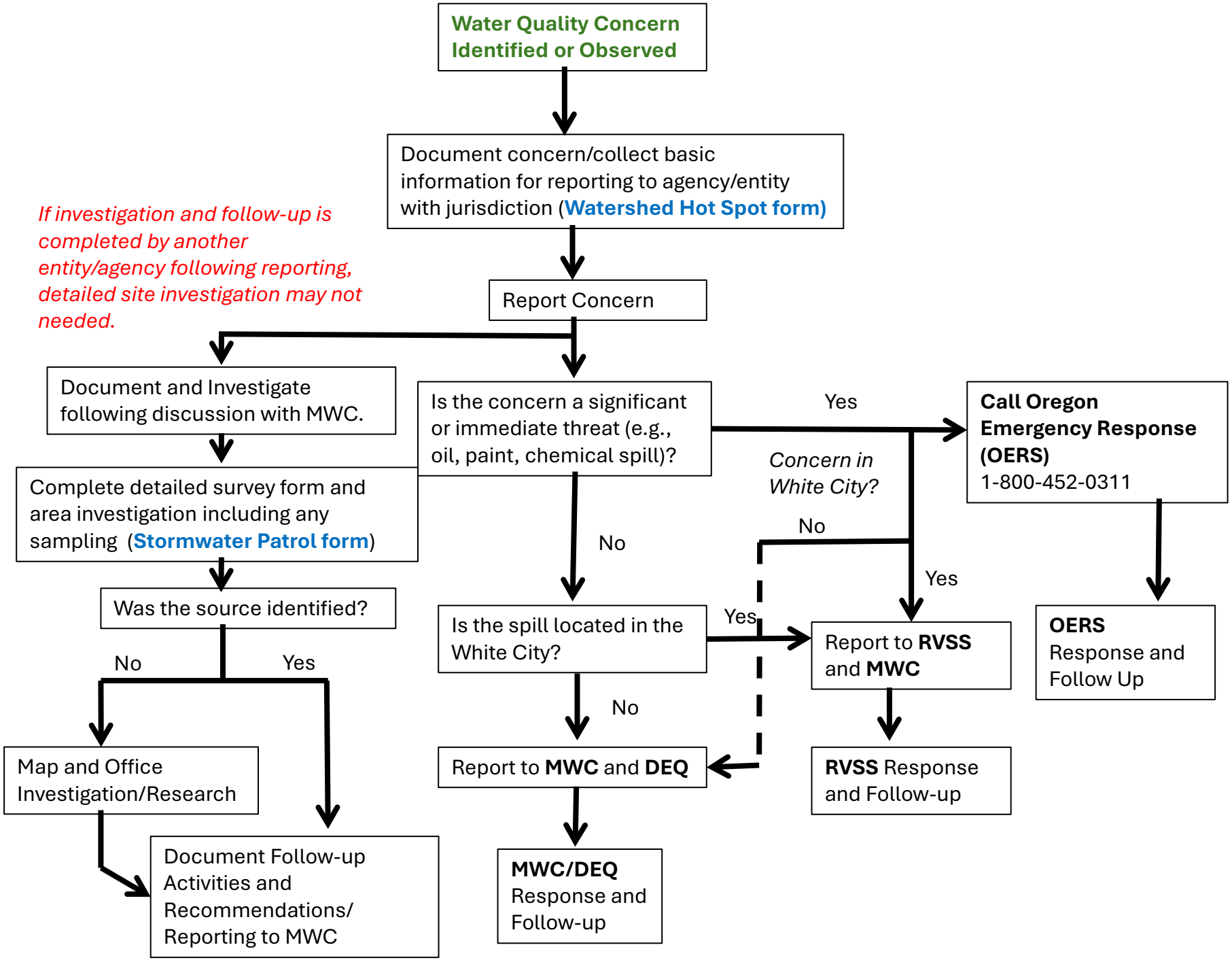
Refine

Refine lists, priority areas, and protection strategies

Patrol Boundary, Data Points, and Hot Spots




Stormwater Patrol Process
Visit Sites– monthly and as needed
Complete detailed survey form (Stormwater Patrol form)
Any concerns identified?
Yes
Follow Hot Spot/Concern Procedures
No
Upload and Map Data
Review data and maps
Report/Check-in with MWC
Additions/Revisions to site visits based on observations, follow-up activities to reports/incidents (from all sources)


Water Quality Concern Identified or Observed
Document concern/collect basic information for reporting to agency/entity with jurisdiction (Watershed Hot Spot form)
Report Concern
If investigation and follow-up is completed by another entity/agency following reporting, detailed site investigation may not needed.
Document and Investigate following discussion with MWC.
Complete detailed survey form and area investigation including any sampling (Stormwater Patrol form)
Was the source identified?
No
Yes
Map and Office Investigation/Research
Document Follow-up Activities and Recommendations/ Reporting to MWC
Is the concern a significant or immediate threat (e.g., oil, paint, chemical spill)?
Yes
Call Oregon Emergency Response (OERS) 1-800-452-0311
OERS Response and Follow Up
Concern in White City?
No
Yes
No
Is the spill located in the White City?
Yes
Report to RVSS and MWC
RVSS Response and Follow-up
No
Report to MWC and DEQ
MWC/DEQ Response and Follow-up

What we are looking for

- Signs of potential contamination
- Flow patterns
- Materials stored on site/Site use
- Construction
- Spills/Hot spots
- Transportation networks and proximity to water
- Containment



Sheen – Dutton Pond outfall across Dutton Road





Dry Conditions – Pacific Ave and Railroad Tracks





Materials Stored on Site/Site Use

Construction





Contamination/Illicit Discharge



March 5th, 2021



March 5th, 2021

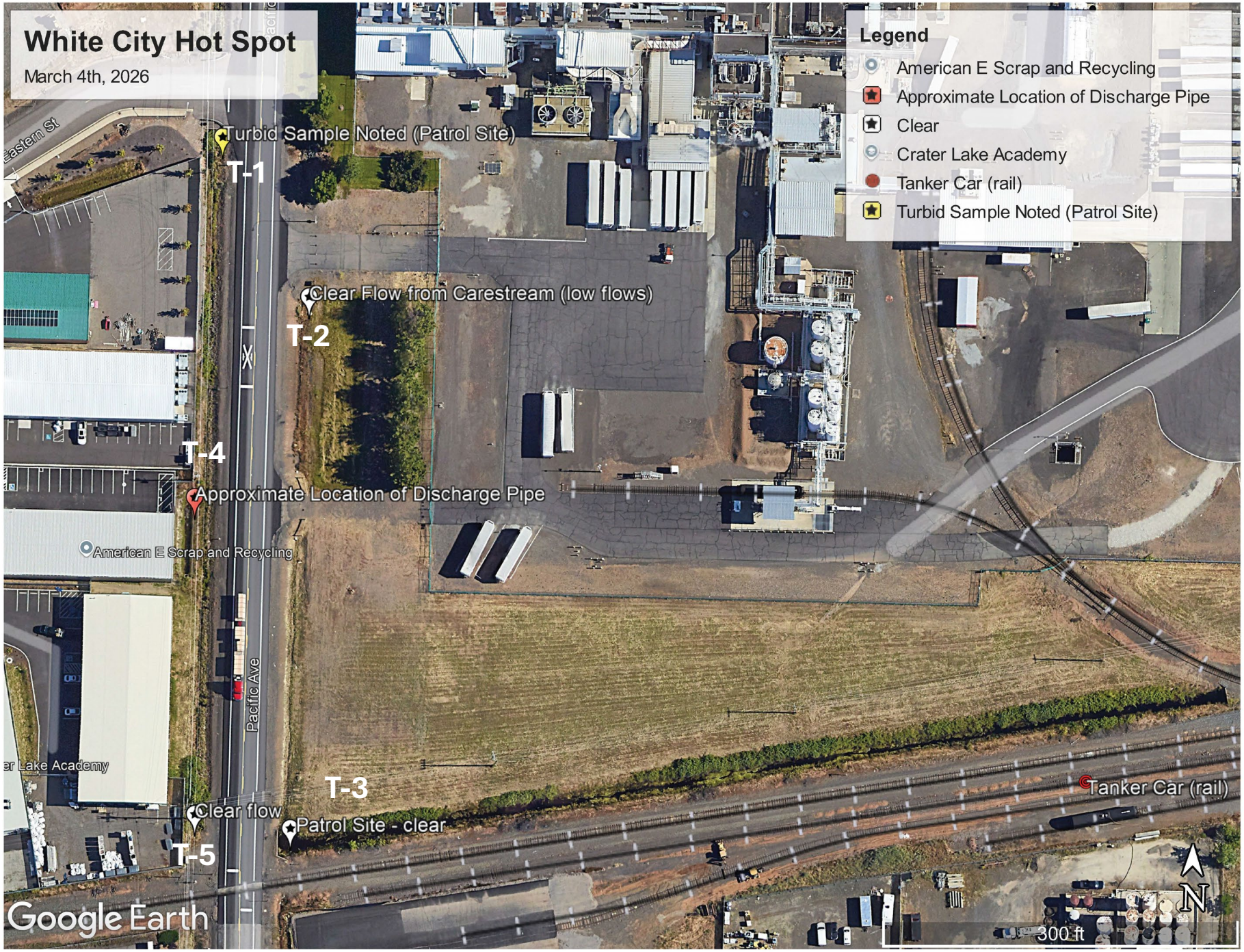


April 8th, 2021



Tanks and Transportation Networks

Case Studies


White City Hot Spot
March 4th, 2026
Legend
American E Scrap and Recycling
Approximate Location of Discharge Pipe
Clear
Crater Lake Academy
Tanker Car (rail)
Turbid Sample Noted (Patrol Site)
Turbid Sample Noted (Patrol Site)
T-1
Clear Flow from Carestream (low flows)
T-2
T-4
Approximate Location of Discharge Pipe
American E Scrap and Recycling
Pacific Ave
T-3
Clear flow
Patrol Site - clear
T-5
Tanker Car (rail)
N
300 ft
Google Earth



Discharge notice from pipe mid-drain (Hot Spot). Location T-4.



Sample from Carestream Drainage West side of Pacific Ave (clear) above Eastern Street (right image). T-2

Turbidity Hot Spot

- T-1 – sample above Western Ave (Patrol Site)
- T-2 – Carestream Drainage
- T-3 – Pacific Ave at RR Tracks (Patrol Site)
- T-4 – Hot Spot Discharge
- T-5 – Up drainage across Pacific from T-3. Flows come under Pacific and head down drainage along west side of Pacific.











Black Water

- Murphy log yard is just off frame to the right of BW-6 (arrow).





Sample from Carestream Drainage
West side of Pacific Ave (clear) and drainage channel on east side (black)



Sample from TouVelle

Blackwater Locations

- BW-2 through BW-6 pictured





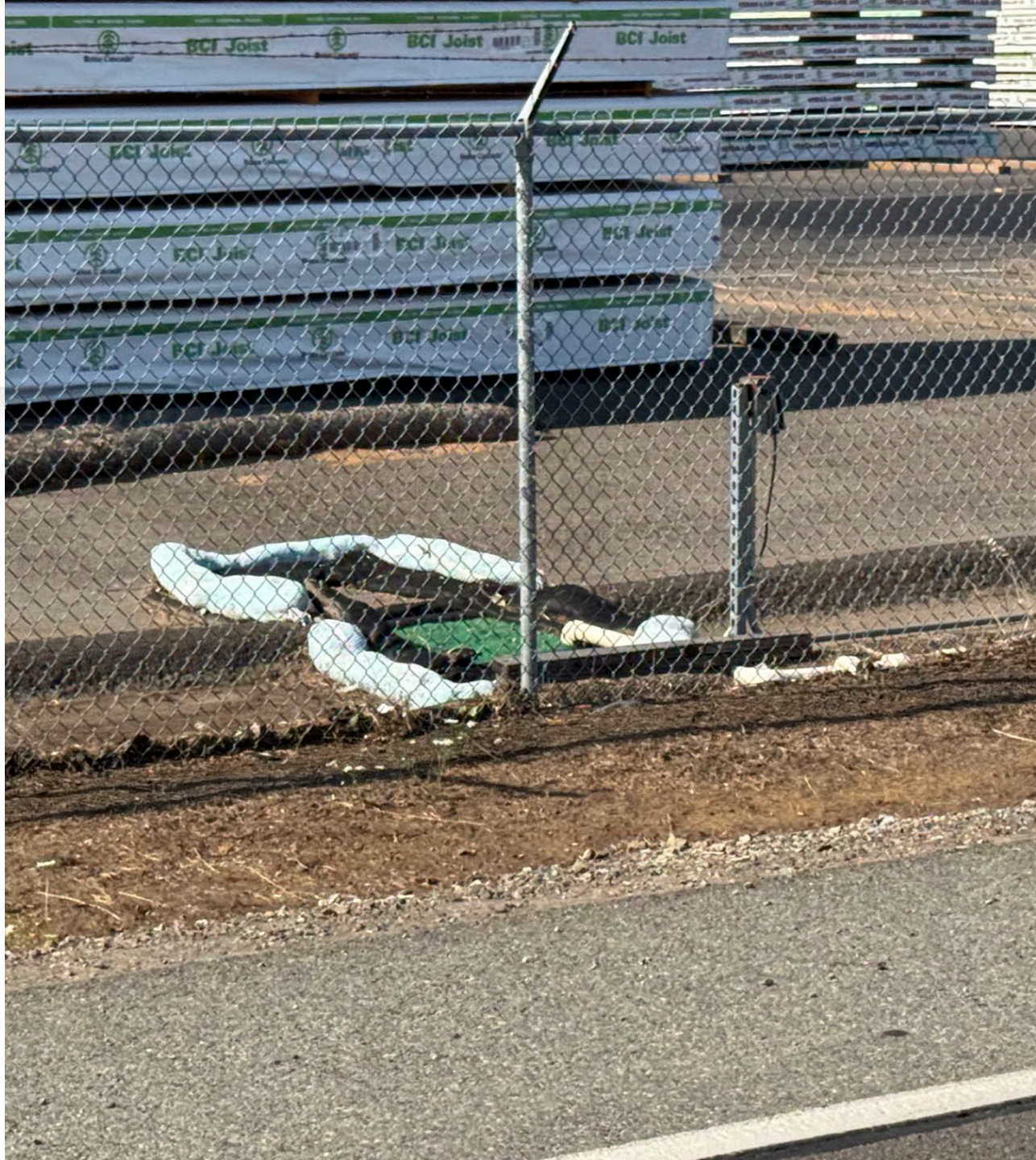






What's Next?

- Review and Revise (as needed)
  - Patrol route and sites
  - Areas of concerns (priorities)
- Outreach
  - Safety/Compliance Officers
  - Site Visits/Inspections
- Revised spill response
- Expand to other areas?



Active Construction





End of Avenue C below Murphy – **May 2026**

Site under heavy construction (additional pictures in the other observations section)





End of Avenue C below Murphy – June 2026

Site under heavy construction (additional pictures in the other observations section)





End of Avenue C below Murphy – July 2026

Site under heavy construction (additional pictures in the other observations section)





End of Avenue C below Murphy – August 2026

Site under heavy construction (additional pictures in the other observations section)





End of Avenue C below Murphy – September 2026

Site under heavy construction (additional pictures in the other observations section)





Other Construction Pictures (Ave C below Murphy) – September 2026

- Upper area from turnaround.

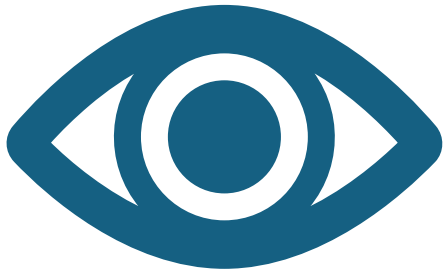




Other Construction Pictures (Ave C below Murphy)

- Construction from turnaround.

Other observations







Film/sheen– above Pruett Pond (left) and Whetstone Creek (right)





Pacific Ave and Eastern – Construction activity. Left photo August 2026. Right photo July 2026.





Tanks viewed from below Murphy Construction area. Will look from 6th Street in October (see Google Earth Image next slide)


Ave F
Ave F
Ave F
Alumaweld Boats
Grayback Forestry
Plycem USA
Cerakote and Prismatic Powders: Innovations...
4th St
6th St
Drip Depot
Ave C
Ave C
© 2026 Google
Google Earth
1985
Imagery Date: 6/19/2022 42°26'04.83" N 122°52'21.09" W elev 1283 ft eye alt 4551 ft

Vegetation thriving at Biomass

- Talked with Compliance Officer. Flow was rerouted to minimize the temperature. Permit still discharges a lot of water at this location.







Loading area off Pacific and view of Murphy drainage/log yard

Data Summary – September 2026

	Sep-26			
Site Name	***Temperature***	***Conductivity***	***pH***	***Turbidity***
Military Slough				
Tou Velle mid park Drainage				
Tou Velle drainage by bridge and entrance				
Pacific Avenue near Carestream				
Pacific Avenue at RR Tracks				
Ave C below Murphy				
11 Street at Murphy				
Boise Cascade at Agate Road crossing				
Biomass outfall on 15th below Ave G	31.4	860	8.55	12.4
Denman drainage near Rogue Valley pre-cast				
Pruett Road				
Nick Young and Hannon Drainage				
Old Highway 62 and Royal	19.7	197.6	7.68	15.9
Shasta Ave (Eagle Point Golf Course Drainage)	20.8	171.6	7.83	10.4
Dutton Pond Outfall				
Dutton Road Industrial Area				
Summary Statistics				
Max	31.4	860	8.55	15.9
Min	19.7	171.6	7.68	10.4
Range	11.7	688.4	0.87	5.5
Median	20.8	197.6	7.83	12.4

No Flow

Site inaccesible for samples

Data Comparison #1 – August 2026 to September 2026

	Aug-26			
Site Name	**Temperature**	**Conductivity**	**pH**	**Turbidity**
Military Slough				
Tou Velle mid park Drainage				
Tou Velle drainage by bridge and entrance				
Pacific Avenue near Carestream	18.3	240	7.39	4.6
Pacific Avenue at RR Tracks	19.3	292.6	8.45	7.87
Ave C below Murphy				
11 Street at Murphy				
Boise Cascade at Agate Road crossing				
Biomass outfall on 15th below Ave G	30.2	808	8.27	8.94
Denman drainage near Rogue Valley pre-cast				
Pruett Road				
Nick Young and Hannon Drainage	20.4	361.6	8.79	21.2
Old Highway 62 and Royal	19.1	205.7	8.38	16.9
Shasta Ave (Eagle Point Golf Course Drainage)	23.5	169	8.11	17
Dutton Pond Outfall	19.1	138	7.82	16
Dutton Road Industrial Area	23.8	121.4	8.52	46.2
Summary Statistics				
Max	30.2	808	8.79	46.2
Min	18.3	121.4	7.39	4.6
Range	11.9	686.6	1.4	41.6
Median	19.85	222.85	8.325	16.45

	Sep-26			
Site Name	**Temperature**	**Conductivity**	**pH**	**Turbidity**
Military Slough				
Tou Velle mid park Drainage				
Tou Velle drainage by bridge and entrance				
Pacific Avenue near Carestream				
Pacific Avenue at RR Tracks				
Ave C below Murphy				
11 Street at Murphy				
Boise Cascade at Agate Road crossing				
Biomass outfall on 15th below Ave G	31.4	860	8.55	12.4
Denman drainage near Rogue Valley pre-cast				
Pruett Road				
Nick Young and Hannon Drainage				
Old Highway 62 and Royal	19.7	197.6	7.68	15.9
Shasta Ave (Eagle Point Golf Course Drainage)	20.8	171.6	7.83	10.4
Dutton Pond Outfall				
Dutton Road Industrial Area				
Summary Statistics				
Max	31.4	860	8.55	15.9
Min	19.7	171.6	7.68	10.4
Range	11.7	688.4	0.87	5.5
Median	20.8	197.6	7.83	12.4

No Flow

Site inaccesible for samples

No Flow

Site inaccesible for samples

Data Comparison #2 – September 2026 and September2025

	Sep-26			
Site Name	**Temperature**	**Conductivity**	**pH**	**Turbidity**
Military Slough				
Tou Velle mid park Drainage				
Tou Velle drainage by bridge and entrance				
Pacific Avenue near Carestream				
Pacific Avenue at RR Tracks				
Ave C below Murphy				
11 Street at Murphy				
Boise Cascade at Agate Road crossing				
Biomass outfall on 15th below Ave G	31.4	860	8.55	12.4
Denman drainage near Rogue Valley pre-cast				
Pruett Road				
Nick Young and Hannon Drainage				
Old Highway 62 and Royal	19.7	197.6	7.68	15.9
Shasta Ave (Eagle Point Golf Course Drainage)	20.8	171.6	7.83	10.4
Dutton Pond Outfall				
Dutton Road Industrial Area				
Summary Statistics				
Max	31.4	860	8.55	15.9
Min	19.7	171.6	7.68	10.4
Range	11.7	688.4	0.87	5.5
Median	20.8	197.6	7.83	12.4

No Flow

Site inaccesible for samples

	Sep-25			
Site Name	**Temperature**	**Conductivity**	**pH**	**Turbidity**
Military Slough				
Tou Velle mid park Drainage				
Tou Velle drainage by bridge and entrance				
Pacific Avenue near Carestream	27.6	366	8.27	2.8
Pacific Avenue at RR Tracks	21.4	516	7.32	4.26
Ave C below Murphy				
11 Street at Murphy				
Boise Cascade at Agate Road crossing				
Biomass outfall on 15th below Ave G	41.7	845	8.18	32.7
Denman drainage near Rogue Valley pre-cast				
Pruett Road				
Nick Young and Hannon Drainage				
Old Highway 62 and Royal	20.4	208.9	8.18	11
Shasta Ave (Eagle Point Golf Course Drainage)	23	162.8	7.92	9.1
Dutton Pond Outfall	21.1	196.2	7.35	2.2
Dutton Road Industrial Area	24.1	100.6	7.74	45.8
Summary Statistics				
Max	41.7	845	8.27	45.8
Min	20.4	100.6	7.32	2.2
Range	21.3	744.4	0.95	43.6
Median	23	208.9	7.92	9.1

No Flow

Site inaccesible for samples