



**Region 7
Superfund and Emergency
Management Division**

Keystone Pipeline Response

OPA-TC Energy Mill Creek

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R7 SEMD/AERR | April 2023

Cleaning Up & Restoring the Heartland

Accountability • Teamwork • Service • Respect

Response Overview

- Dec 7 - Initial Incident
- Dec 8 - NRC Reporting
- OSC Deployment
- Diluted Bitumen
- Discharge Volume Estimate





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Response Overview



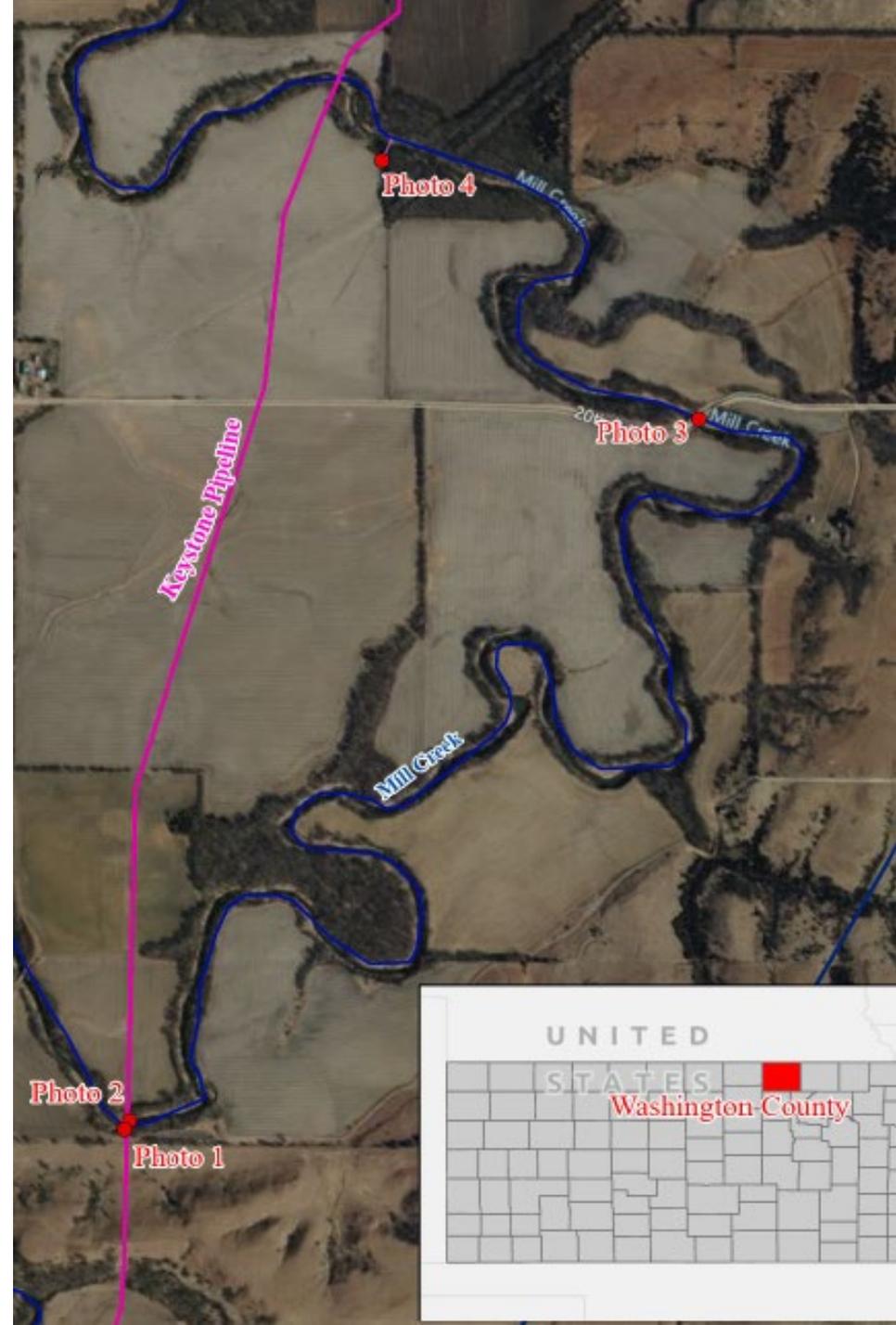
Cleaning Up & Restoring the Heartland

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Scope of Impacts

- Oil observed 3.5 miles downstream
- Bank-to-bank impacts
- Vegetation staining
- No drinking water impacts





Initial Response

- Underflow dams
- Boom
- Vacuum trucks
- No impacts observed past dam



















Bulk Oil Recovery Operations











Stream Diversion











- Dec 7 – Discharge occurred
- Dec 8 – OSCs deployed
- Dec 13 – Underflow dam 2
- Dec 23 – Low -13, high -5
- Dec 29 – Pipeline restart
- Jan 5 – Stream diversion
- Jan 6 – EPA Order
- Jan 17 – Soil disposal
- January 29 – Bulk oil removal
- March 8 – Stream diversion
- March 10 – Treated water discharge



Response Support

- RICT
- NIC/RIC
- R3 and R6 OSCs
- USCG AST
- OPA
- Full IMT – REOC
- Regional Counsel
- Admin Team
- SEMD Management
- Office of the RA