

Ecology Seeks Comments on the Proposed Phase 2 Groundwater Interim Cleanup Action at The Boeing Company - Everett

The Department of Ecology (Ecology) proposes to approve Phase 2 of a groundwater Interim Cleanup Action at The Boeing Company Plant, in Everett, Washington, see Figures 2-4. The interim action will prevent further migration of groundwater contaminated with trichloroethylene (TCE) to downstream locations (onto City of Everett property). It will also help reduce, as much as possible, the amount of TCE-contaminated groundwater discharging to Powder Mill Creek (also on City of Everett property). This notice describes the proposal and seeks your comments. Phase 2 of this groundwater interim action is intended to complement the Phase 1 groundwater interim action.

Phase 1 groundwater interim cleanup action design and construction was completed in November 2012. This groundwater interim cleanup action currently operates on the northern portion of the Boeing Everett property to:

- Provide a hydraulic containment system preventing further migration of the contaminated groundwater plume beyond Seaway Boulevard.
- Reduce contaminated groundwater migration to Powder Mill Creek, south of Seaway Boulevard. See Phase 1 Figure 2.

The Proposed Phase 2 Groundwater Interim Cleanup Action

The Phase 2 groundwater interim cleanup action includes designing, constructing, and operating a groundwater pump and treat system similar in design to Phase 1 to reduce, as much as possible, migration of contaminated groundwater to Powder Mill Creek, north of Seaway Boulevard. Treated groundwater (from Phase 1 and 2) will be discharged to Powder Mill Creek, north of Seaway Boulevard and downstream of the TCE groundwater plume. Currently, treated groundwater from Phase 1 is discharged to the sanitary sewer. Combined Phase 1 and 2 treated and discharged groundwater shall meet all federal and state requirements prior to discharge to Powder Mill Creek. Ecology expects Phase 2 construction to begin in early 2014. See Figures 2-4.

Delaying these proposed interim cleanup actions until the implementation of the final site-wide Boeing Everett cleanup results in continued discharge of TCE-contaminated groundwater into Powder Mill Creek.

Public Comment

The public is invited to read and comment on these documents:

- Phase 2 Groundwater Interim Cleanup Action Work Plan
- Schedule
- State Environmental Policy Act (SEPA) documents

View these documents online, at www.ecy.wa.gov/programs/hwtr/foia/index.html

View them in person at:
Everett Public Library
Information Services
2702 Hoyt Street
Everett, WA 98201-3556
425-257-8000

Comment Period

September 27, 2013 through
October 30, 2013

**Comments must be
postmarked no later than
5:00 p.m., October 30, 2013**

Send comments to:

Dean Yasuda
Department of Ecology
Northwest Regional Office
3190 160th Ave SE
Bellevue, WA 98008-5452
dya461@ecy.wa.gov

Or hand-deliver them between
8 a.m. and 5 p.m. to the Ecology
address above.

For more information, contact
Dean Yasuda, at 425-649-7264

*If you need a format for the visually
impaired please call 360-407-6700.
Persons with hearing loss can call
711 for Washington Relay Service.
Persons with a speech disability can
call 877-833-6341.*

Site Location and Background

The Boeing Company (Boeing) owns and operates the Boeing Everett Plant, at 3003 West Casino Road, in Everett, Washington. The plant produces models 747, 767, 777, and 787 commercial aircraft. Dangerous wastes¹ are generated during aircraft assembly, and accumulated on site for less than 90 days.

Since November 19, 1980, the U.S. Environmental Protection Agency (EPA) requires a Resource Conservation and Recovery Act (RCRA) Part A Permit (interim status) application for storage of dangerous waste at existing facilities. Boeing filed its original RCRA Part A Permit application at that time.

Around this time, Boeing also submitted a RCRA Part B Permit application for the storage of dangerous wastes. They later withdrew their RCRA Part B application on February 11, 2002. The Boeing Everett Plant no longer stores dangerous wastes on site for more than 90 days. Ecology will not withdraw Boeing's interim status (Part A application) until all site-wide cleanup is completed. Boeing will maintain RCRA Interim Status until they fulfill RCRA Corrective Action cleanup requirements to Ecology's satisfaction.

Over time, the facility released hazardous substances to soils, groundwater, surface water, and/or sediments. These hazardous substances include (but are not limited to) chlorinated and non-chlorinated solvents, fuels, oils, polychlorinated biphenyls (PCBs), and heavy metals.

RCRA requires Boeing to conduct cleanup of contamination at their Everett plant, including any contamination that migrated beyond the plant boundaries. Boeing completed the Remedial Investigation (RI) Study in 2011 and is currently developing site-wide cleanup options under the Feasibility Study (FS), as required by the Agreed Order. This Phase 2 interim action (and the ongoing phase 1 interim action) are not the final cleanup actions for the TCE-contaminated groundwater, but instead is intended to reduce, as much as possible, the amount of TCE-contaminated groundwater discharging to Powder Mill Creek. Ecology will select a final site-wide cleanup action after review of the final FS report(s).

Environmental Review

Ecology is the State Environmental Policy Act (SEPA) lead agency for corrective action decisions at Boeing Everett. We determined that the proposed phase 2 groundwater interim cleanup action will not have a significant adverse environmental effect. As a result, Ecology is issuing a determination of non-significance (DNS). The DNS and SEPA checklist are included for public review and comment.

The Phase 2 Interim Cleanup Action Work Plan and Ecology's SEPA DNS are available for review:

- At the Everett Public Library, 10 a.m. to 9 p.m. Monday, Tuesday, and Wednesday; 10 a.m. to 6 p.m. Thursday, Friday, and Saturday; and 1 p.m. to 5 p.m. on Sunday; see address in side panel on page 1.
- At Ecology's Northwest Regional Office by appointment, 9 a.m. to 4:30 p.m. Monday through Friday, see address in side panel on page 1.
- On Ecology's website at www.ecy.wa.gov/programs/hwtr/foia/index.html.

If you would like copies of these documents, please contact Dean Yasuda, Ecology's manager for this site at 425-649-7264 or e-mail at dyas461@ecy.wa.gov.

¹ Washington State term for hazardous waste.

At this time, Ecology has not planned a public meeting for this comment period. However, one will be held if ten or more people request one by the end of the public comment period.

Ecology's Procedures for Reaching a Final Decision

Once the public comment period ends and all comments received have been reviewed, Ecology will consider and respond to written comments submitted. Ecology will then recommend suggested changes to the Phase 2 groundwater interim cleanup action plan, and SEPA documents. If no significant changes are made, the documents will be considered final. If significant changes are made, an additional public comment period will be held.

Effective Date of Decision

The effective date of Ecology's decision will be the date on Ecology's letter approving the Phase 2 groundwater interim cleanup action plan.

Regulatory requirements under the Model Toxics Control Act for the public review process are in the [Washington Administrative Code \(WAC\) 173-340-600](#). For more information about SEPA and MTCA, see www.ecy.wa.gov/programs/sea/sepa/handbk/hbch10.html#ReviewProcess.

Glossary of Terms Used

Agreed Order – A legal agreement between Ecology and a potentially liable person to conduct work toward a cleanup.

Determination of Non-Significance (DNS) – A written decision by the responsible official of the lead agency that a proposal is not likely to have a significant adverse effect on the environment.

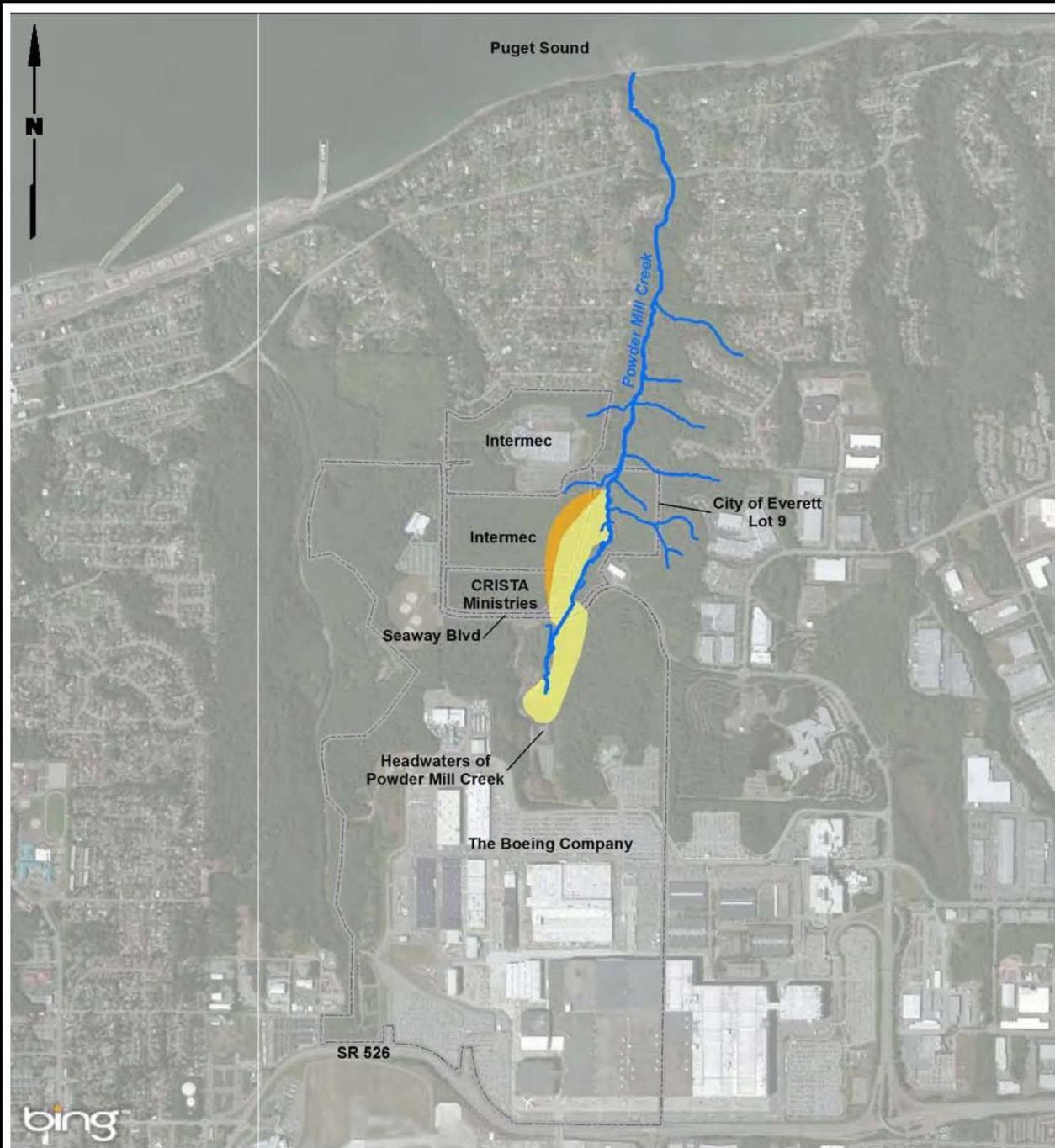
Groundwater – Water beneath the earth's surface that fills pores between material such as sand, soil, or gravel. In some aquifers, groundwater occurs in sufficient quantities that it can be used for drinking water, irrigation, and other purposes.

Model Toxics Control Act (MTCA) – Legislation passed by citizens of the state of Washington through an initiative in 1988. Its purpose is to identify, investigate, and clean up facilities where hazardous substances have been released. It defines the role of Ecology and encourages public involvement in the decision-making process.

Remedial Investigation and Feasibility Study (RIFS) – Remedial actions to collect, develop, and evaluate information regarding a site to determine a cleanup action.

RCRA – Resource Conservation and Recovery Act of 1976 (US): Regulations governing the safe management and disposal of hazardous wastes.

SEPA – State Environmental Policy Act: A state policy that requires state and local agencies to consider the likely environmental consequences of a proposal before approving or denying the proposal.



Legend

- Property Boundary
- Inferred Area with TCE Concentration in Groundwater > 5 µg/L
- Inferred Area with TCE Concentration in Groundwater > 0.49 µg/L and < 5 µg/L

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.



Data Source: URS 2005; Bing Maps

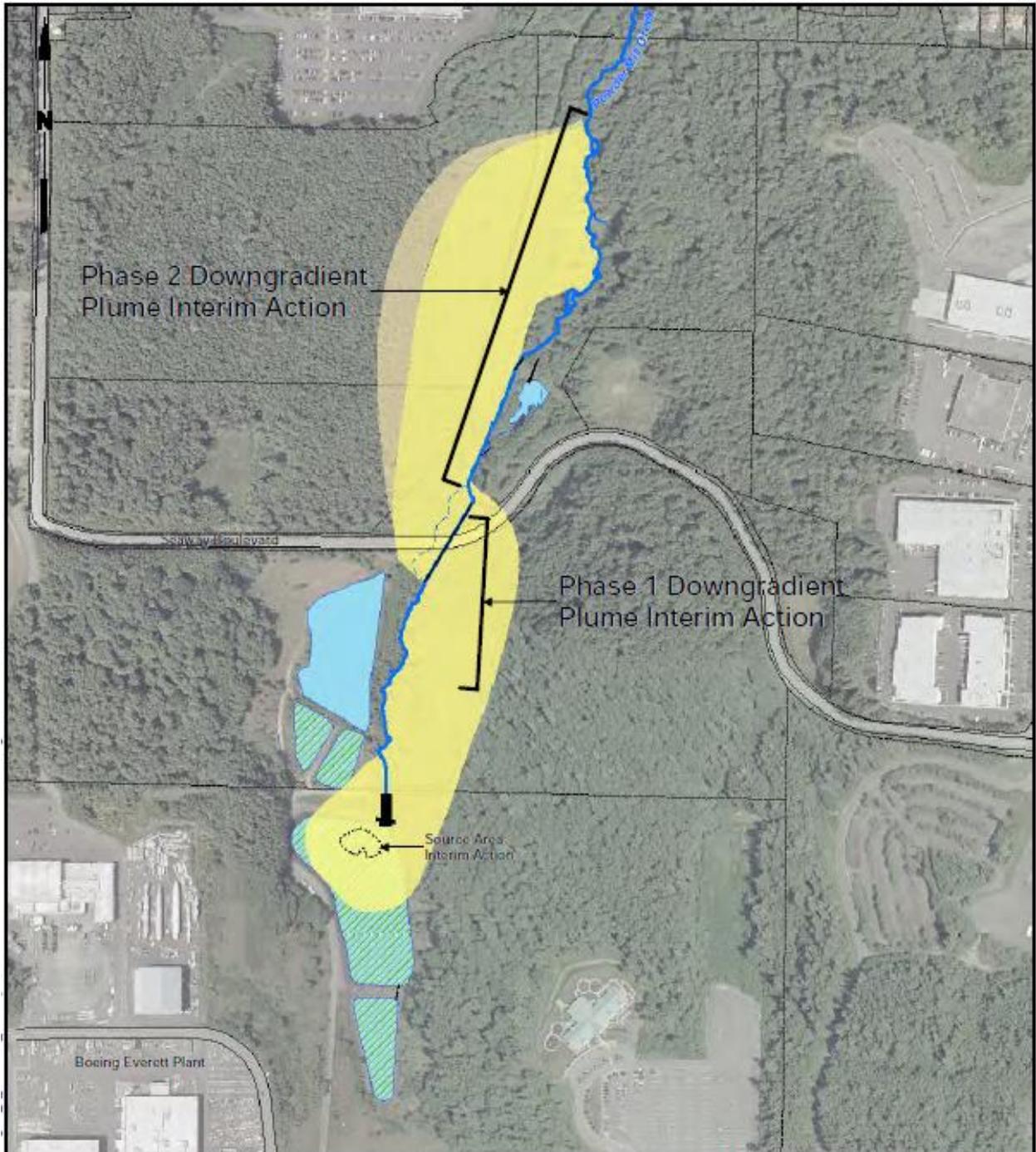
9/19/13 P:\025175\File\rm\T\Ph2 IA Public Notice Figures\Revised Figure 1 Vicinity Map.docx



PMG Phase 2 IA
Boeing Commercial Airplanes
Everett, Washington

Vicinity Map

Figure
1

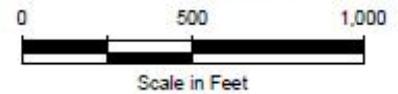


Legend

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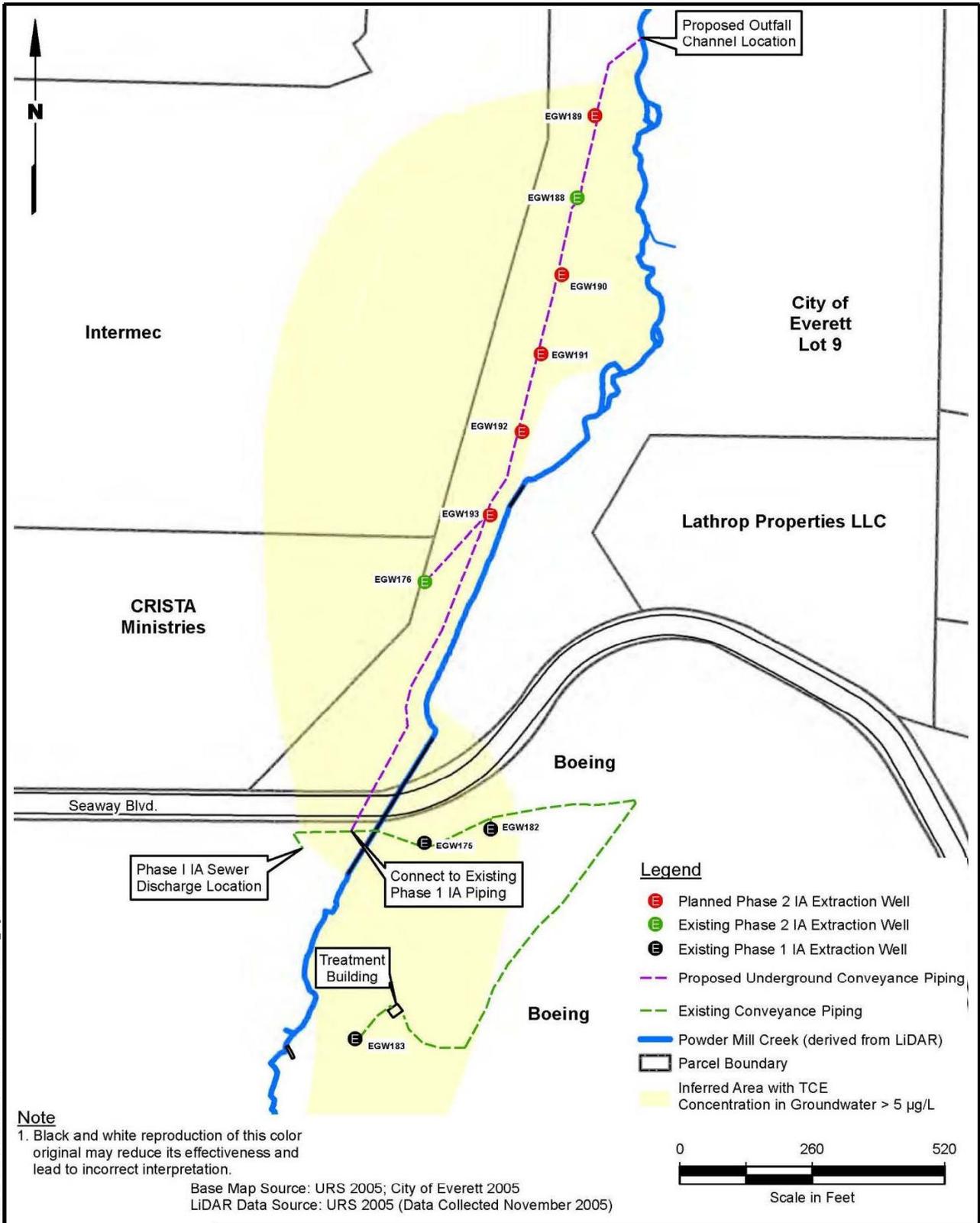
1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.



PMG Phase 2 IA
Work Plan
Boeing Commercial Airplanes
Everett, Washington

PMG Downgradient Plume
Interim Action Site Map

Figure
2

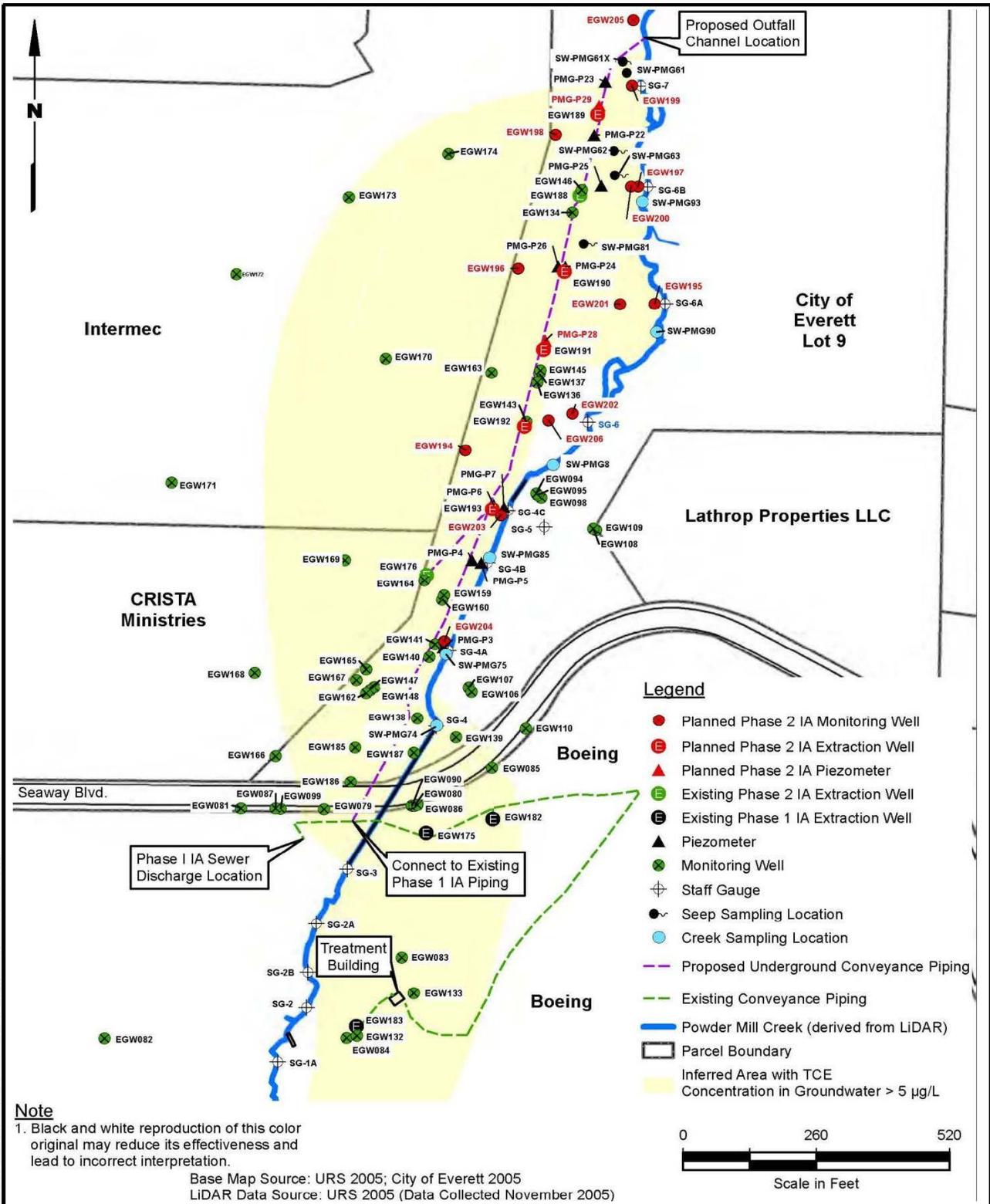


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Phase 2 Interim Action Conceptual Configuration

Figure 3



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**Phase 2 Interim Action
Conceptual Configuration**

Figure
4



PO Box 47600
Olympia, WA 98504-7600

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interim cleanup action for:

The Boeing Company, Everett Plant
Everett, Washington

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September 27, 2013
through October 30, 2013