



2022 ANNUAL CAP INSPECTION REPORT

BNSF Northport Site

NOVEMBER 18, 2022



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Prepared for:

Washington State Department of Ecology
East Regional Office
4601 North Monroe, Suite 202
Spokane, Washington 99205



Matt Annis
Project Manager

Prepared by:

Arcadis U.S., Inc.
1100 Olive Way
Suite 800
Seattle
Washington 98101
Tel 206 325 5254
Fax 206 325 8218

Date:

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ACRONYMS AND ABBREVIATIONS

Arcadis	Arcadis U.S., Inc.
BNSF	BNSF Railway Company
Ecology	Washington State Department of Ecology
site	Northport City Park Cleanup Site in Northport, Washington

1 INTRODUCTION

On behalf of BNSF Railway Company (BNSF), Arcadis U.S., Inc. (Arcadis) prepared this 2022 Annual Cap Inspection Report to document the integrity of the protective cap at the Northport City Park Cleanup Site in Northport, Washington (the site) for the January 1, 2022 through December 31, 2022 reporting period. The site is located at latitude 47° 34' 39" N and longitude 122° 19' 58" W.

The site is located adjacent to the former LeRoi Smelter facility, which refined copper, lead, and silver ores. Prior operations at the former smelter plant impacted adjacent properties, including the site. The site is currently owned by BNSF and leased to the City of Northport.

In 2004, remedial activities were conducted at the site, including the excavation and capping of metal-impacted soil. As part of the Environmental Covenant for the site, the Washington State Department of Ecology (Ecology) requires annual cap monitoring to ensure the condition of the cap is acceptable and continues to be protective of human health and the environment.

2 CAP MONITORING AND DOCUMENTATION

The cap monitoring activities completed in 2022 included:

- Performed annual cap inspection in July 2022.
- Documented cap integrity.
- Evaluated site to determine if cap repairs were necessary.
- Submitted an annual report to Ecology to communicate the findings of the cap inspection.

During the cap inspection the following site conditions were evaluated:

- Quality of the sod located within the Northport City Park.
- Condition of trees near the remedial area.
- Presence or absence of noxious weeds in the remedial area.
- Presence or absence of burrowed animal activity.
- Stability and integrity of the cap.
- Integrity of the barrier fence between the park and railroad tracks.

3 SITE CONDITIONS

Arcadis completed the cap inspection on July 21, 2022. A photographic log documenting site conditions is presented as Appendix A. The integrity of the cap was confirmed to be intact and in good condition, with the exception of the following observed issues:

- Minor low spots in two small portions of the gravel cap (Inspection Point: 009 in Appendix A).
- Possible animal burrows in the northwest corner and northern embankment adjacent to the rail line in the park area (Inspection Points: 002 & 006 in Appendix A).
- Vegetation established along fence line separating park from track area (Inspection Point: 008 in Appendix A).
- Minor disturbance located along the rail subgrade (Inspection Point: 001 in Appendix A).

4 SCHEDULE

The low spots identified during the cap inspection were addressed through the application of additional gravel cover. Animal burrows will be addressed by filling the burrows and a subcontracted exterminator. The vegetation present along the fence line will be addressed through the application of an herbicide spray prior to the start of the next growing season or by physical removal. Disturbed areas will be amended as needed as soon as is feasible. The next cap inspection will occur in 2023.

APPENDIX A

Photographic Log



Appendix A: Photographic Log



2022 Annual Cap Inspection Report
BNSF Northport Site



Inspection Point: 001

Description:
Erosional feature along northern rail subgrade

Location:
Northport, WA

Photograph taken by:
Lucas Gschwind

Date: 7/21/2022



Inspection Point: 002

Description:
Possible burrows in northwest area of park

Location:
Northport, WA

Photograph taken by:
Lucas Gschwind

Date: 7/21/2022

Appendix A: Photographic Log



2022 Annual Cap Inspection Report
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Inspection Point: 003

Description:
Sod condition within park

Location:
Northport, WA

Photograph taken by:
Lucas Gschwind

Date: 10/14/2021



Inspection Point: 004

Description:
Tree condition in park

Location:
Northport, WA

Photograph taken by:
Lucas Gschwind

Date: 7/21/2022

Appendix A: Photographic Log

2022 Annual Cap Inspection Report
BNSF Northport Site



Inspection Point: 005

Description:
Site condition in NE
area of park near
Conex

Location:
Northport, WA

Photograph taken by:
Lucas Gschwind

Date: 7/21/2022



Inspection Point: 006

Description:
Possible burrows on rail
embankment south of
pavilion area

Location:
Northport, WA

Photograph taken by:
Lucas Gschwind

Date: 7/21/2022

Appendix A: Photographic Log

2022 Annual Cap Inspection Report
BNSF Northport Site



Inspection Point: 007

Description:

Tent camping adjacent to parking lot

Location:

Northport, WA

Photograph taken by:

Lucas Gschwind

Date: 7/21/2022



Inspection Point: 008

Description:

Minor vegetation along fence and embankment adjacent to park

Location:

Northport, WA

Photograph taken by:

Lucas Gschwind

Date: 7/21/2022

Appendix A: Photographic Log

2022 Annual Cap Inspection Report
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Inspection Point: 009

Description:
Low spot in gravel near entrance to capped area (<4 inches deep)

Location:
Northport, WA

Photograph taken by:
Lucas Gschwind

Date: 7/21/2022



Inspection Point: 010

Description:
Minor disturbance from tracked equipment (<6 inches deep)

Location:
Northport, WA

Photograph taken by:
Lucas Gschwind

Date: 7/21/2022

Appendix A: Photographic Log



2022 Annual Cap Inspection Report
BNSF Northport Site



Inspection Point: 011

Description:
New gravel placed on pad

Location:
Northport, WA

Photograph taken by:
Lucas Gschwind

Date: 7/21/2022

Arcadis U.S., Inc.

1100 Olive Way

Suite 800

Seattle, Washington 98101

Tel 206 325 5254

Fax 206 325 8218

www.arcadis.com

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