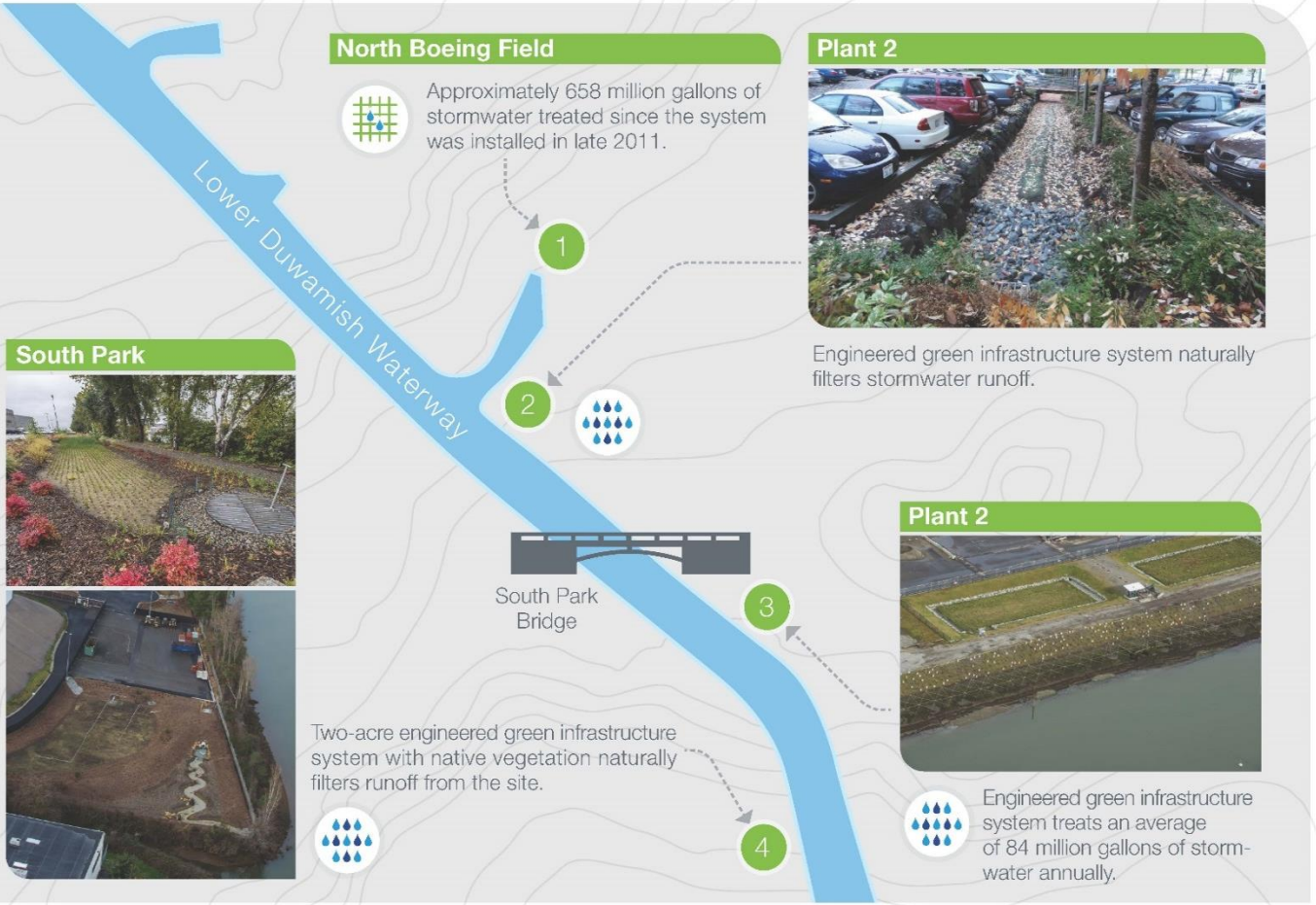
Watching Out for the Waterway

One of the key elements of the Lower Duwamish Superfund cleanup is to control ongoing contaminant sources. Multi-agency efforts are underway to draw attention to and control pollutants from entering the waterway through stormwater runoff.

Boeing constructed multiple state-of-the-art stormwater treatment systems at its sites near the waterway to help improve the quality of water that enters the Duwamish.

1. North Boeing Field
2. 3 Plant 2
4. South Park



boeing.com/Duwamish

North Boeing Field

Design/Consulting Firm:
Landau Assoc, Glacier Environmental and ClearWater

Project Funder:
The Boeing Company

Project Location:
North Boeing Field

Project BMP(s):
Active Treatment - Chitosan

Installation Driver:
To meet EPA permit requirements for stormwater source control actions for Slip 4 and to satisfy Industrial Stormwater General Permit benchmarks for copper and zinc

Year: 2011

Boeing Plant 2 North

Design/Consulting Firm:
Geosyntec

Project Funder:
The Boeing Company

Project Location:
Boeing Plant 2
North parking lot

Project BMP(s):
Stormwater bioretention/ treatment

Installation Driver:
Retrofit surface drainage swales into engineered green infrastructure to meet EPA permit requirements for stormwater source control actions for the Lower Duwamish Waterway

Year: 1991, retrofit 2012

Boeing Plant 2 South

Design/Consulting Firm:
Rupert Engineering

Project Funder:
The Boeing Company

Project Location:
Boeing Plant 2 South
Duwamish Shoreline

Project BMP(s):
Stormwater bioretention/ treatment treats average 84 million gals annually

Installation Driver:
To meet EPA permit requirements for stormwater source control actions for the Lower Duwamish Waterway

Year: 2012

Boeing South Park

Design/Consulting Firm:
Golder - Geosyntec

Project Funder:
The Boeing Company

Project Location:
Boeing South Park

Project BMP(s):
Stormwater bioretention/ treatment

Installation Driver:
To satisfy Industrial Stormwater General Permit benchmarks for zinc

Year: 2014

Research to Enhance Permeable Pavement

Design/Consulting Firm:
WA State Univ (WSU)
WA Stormwater Center (WSC)

Project Funder:
The Boeing Company

Project Location:
WSU – Pullman, WSC - Puyallup

Project BMP(s):
Research potential performance and toxicity improvement of permeable pavement enhanced with composite by-product

Installation Driver:
Pollution runoff from impervious surfaces is a complicated problem. Research goal is to strengthen permeable pavement and expand its potential use

Year: 2015


BOEING