Harborton Habitat Restoration

DECEMBER 2020









Why did we build Harborton?

The project will provide Discounted Service Acre Year (DSAY) credits to PGE under the Portland Harbor Nature Resources Damages Assessment (NRDA)

PGE has undertaken substantial restoration activities to develop and restore habitat at the Harborton Site, including:

- Performing wildlife surveys and resource mapping, soils reconnaissance to explore habitat restoration potential, and cultural resources evaluations, and other activities
- Earthwork, habitat structure installation and native plantings over 53.4 acres to restore fish access to a cold-water tributary and associated ofchannel floodplain habitat



Portland Harbor Trustees

The Portland Harbor Natural Resource Trustee Council was formed in 2002 to coordinate damage assessment and restoration activities in Portland Harbor. The Trustee Council is made up of representatives from the following organizations:

- National Oceanic and Atmospheric Administration
- U.S. Fish and Wildlife Service, acting on behalf of U.S. Department of the Interior
- Oregon Department of Fish and Wildlife, acting on behalf of State of Oregon
- Confederated Tribes of the Grand Ronde Community of Oregon
- Confederated Tribes of Siletz Indians
- Confederated Tribes of the Umatilla Indian Reservation
- Confederated Tribes of the Warm Springs Reservation of Oregon
- Nez Perce Tribe

Trustee Council is requiring PGE to remove the property from our indenture



Harborton Restoration

Objective: Restore and enhance seasonally available off-channel aquatic and riparian habitat for fish and wildlife

- Restoration activities across 54 acres:
 - Restore fish access to Willamette River floodplain
 - Create/restore ~20 acres of seasonallyavailable off-channel habitat within the historic floodplain
 - Preserve about 13 acres of red-legged frog breeding habitat





Species of Concern

Salmon and Steelhead

- Listed under Endangered Species Act
- Migrate from freshwater to ocean, and back again
- Harborton location provides resting spot for outmigrating fish
- Culturally, ecologically, and economically significant in the Pacific Northwest

Northern Red-Legged Frogs

- "Species of concern" in Oregon
- One of the largest known populations in OR breeds at Harborton
- Volunteer teams help them cross Highway 30 every year





PGE

Harborton Project Extent





Harborton Site Work



- Restore 54 acres
- Excavated 154,000 cubic yards of soil
- ≈84,000 plantings



Schedule & Key Milestones

June to October 2020:

construction site work (complete)

October 2020 to January 2021:

install plants

2021 - 2031:

Monitoring and adaptive management

2031:

Turn site over to long-term steward



Property Issues

- Property line adjustment with Multnomah County
- Existing Olympic Pipeline and fiber optic line easements through southwestern portion of site





PGE and Grantee Responsibilities

- Grantee assumes ownership of property.
- The property will be subject to a deed restriction and conservation easement.
- PGE will:
 - Complete construction and monitor and manage the site for 10-year period as described in the Monitoring and Adaptive Management Plan
 - Collaborate with Grantee over 10-year period and co-develop understanding of site habitat
 - Retain all DSAYs generated
 - Fund a long-term stewardship endowment
 - Enter Consent Decree with Trustees
 - Provide an easement through PGE property to access the habitat area
- PGE is seeking to have property sale agreement in place in Q1/Q2 2021.







Backup Information

CONSTRUCTION OVER TIME





- Clearing and grubbing
- Excavation begins
- Soil placed into berm











PGE





- Channel complete
- Woody habitat features installed
- Erosion control measures in place
- Surfaces seeded planting started 11/30



