East Powell Butte
Floodplain Restoration Project

Brownwood Phase

Presented by Maggie Skenderian
City of Portland Bureau of
Environmental Services

Design Services: inter-fluve, GreenWorks

Construction Services: Brandt Construction

Photography: Bruce Mac Gregor
Presentation Overview

• Brief history of Johnson Creek
• Johnson Creek Restoration Plan
• Project Design
• Project Construction
Portland’s Watersheds

Columbia Slough
Willamette River
Fanno Creek
Tryon Creek
Johnson Creek
Historic Impacts to the Hydrology of Johnson Creek
Cazadero – Estacada Train on the Springwater Division Line
Established in 1903
WPA Channelizing and Rock Lining
Johnson Creek 1930s
Johnson Creek Restoration Plan

- Establishes conceptual design for projects in 58 reaches of the 26-mile stream system
- Addresses nuisance flood mitigation (10-yr return period), water quality and habitat goals comprehensively
- Published in 2001 and endorsed by Portland City Council
Restoration Plan Target Areas
East Powell Butte Floodplain Restoration Project

Brownwood Phase 2

Kelley Creek Phase 1

Brunkow

Hammersmith
Pre-Construction Conditions
Project Kick Off
Community Investment
Construction Begins
May 2007
Fish Rescue - August 6 & 7, 2007
Total fish = 1390
Native
- Coho = 1 (juvenile)
- Steelhead = 1 (juvenile)
- Cutthroat trout = 2 (1 juvenile and 1 adult)
- Lamprey = 660
- Sculpin = 332
- Speckled dace = 17
- Redside shiner = 325
- Large scale sucker = 24
- Crawfish = 193

Nonnative
- Bluegill = 2
- Largemouth bass = 26
Brownwood
Before and After